

WINGER ROAD BRIDGE ONLINE PUBLIC CONSULTATION PACKAGE

Please review the materials and provide your input using the comment forms included in the Town's website or submit them directly to the project team.

This information is being provided to present and obtain input on:

- Local Issues and Constraints Affecting the Project
- Study Problem and Opportunity Statement
- Alternative and Recommended Solution(s)
- Next Steps In the Project



Following this Public Consultation, the recommended solution for the Winger Road Bridge will be confirmed in consideration of the comments received. We want your input!

PROBLEM / OPPORTUNITY STATEMENT & STUDY AREA

This study was initiated to review opportunities within the study area to address:

- The need to repair or replace the deteriorating Winger Road Bridge, as identified by recent bridge inspections
- Winger Road traffic operations and safety
- Roadway drainage and stormwater management
- Structure hydraulic capacity

In developing recommendations, all reasonable alternatives will be considered to minimize impact to adjacent residents and the surrounding environment.

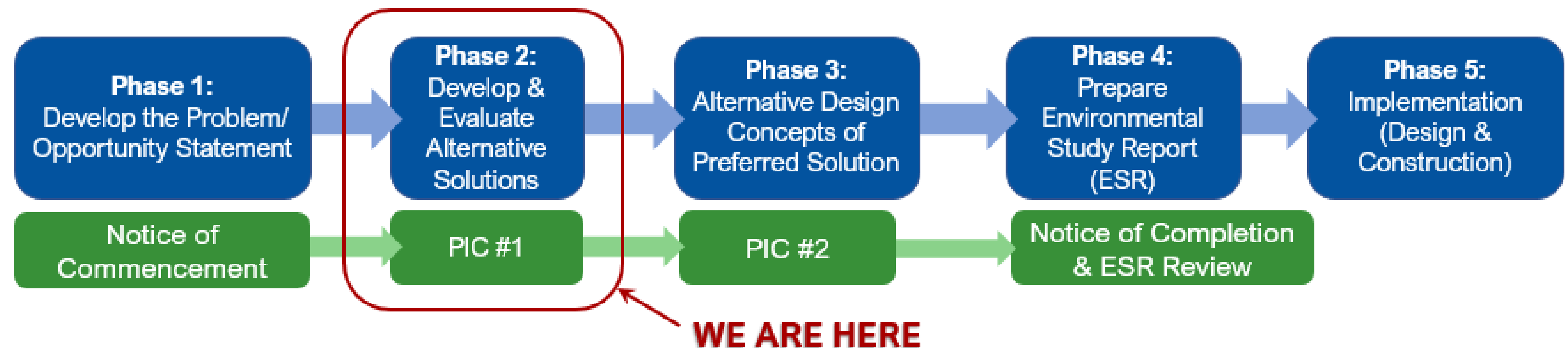


The study area includes the **Winger Road Bridge** and Winger Road from East Main Street to 150 meters south of East Main Street

MUNICIPAL CLASS EA PROCESS

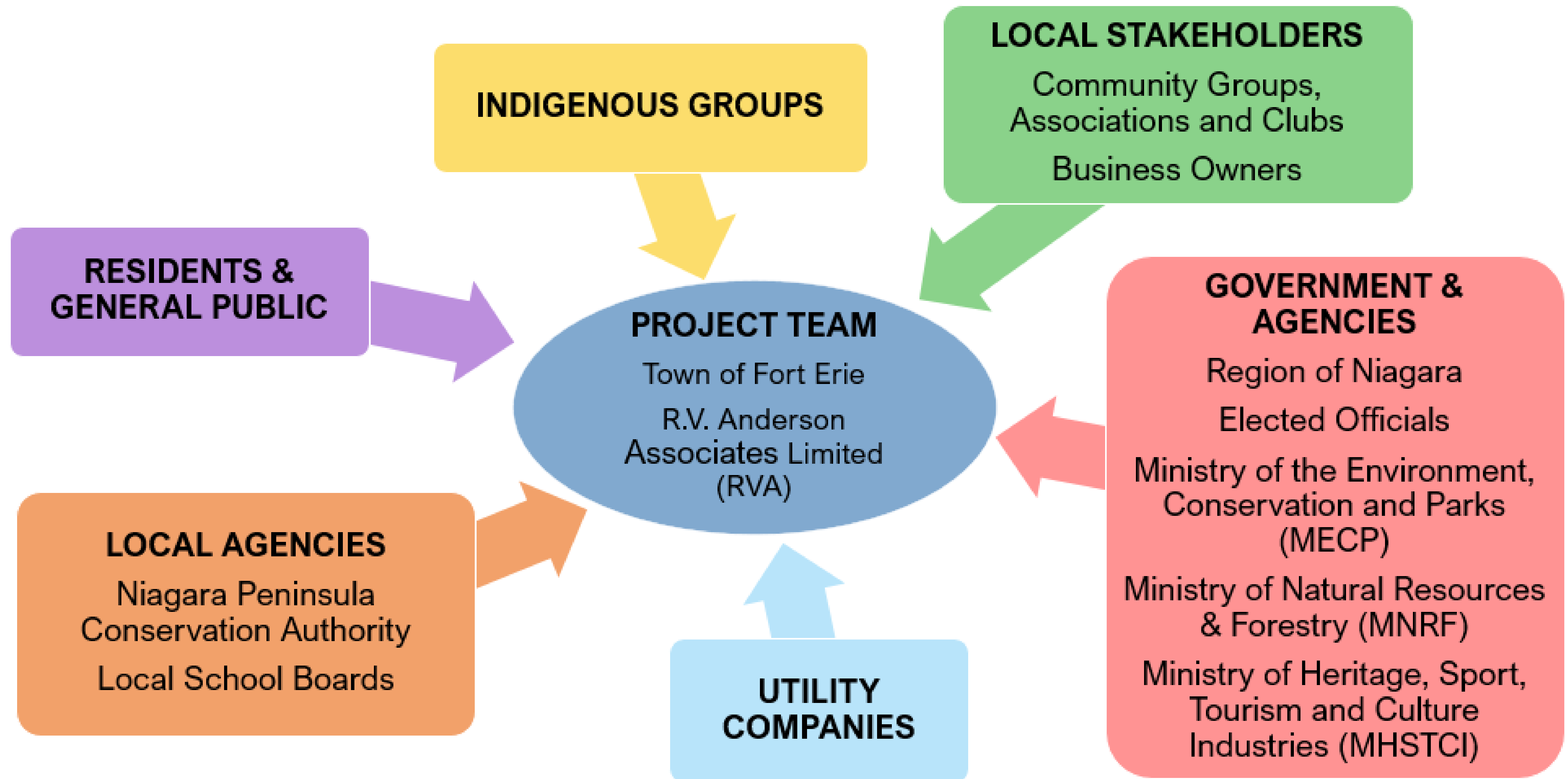
A Municipal Class Environmental Assessment (MCEA) is undertaken:

- Prior to municipal **road, water, wastewater** and **transit** construction projects
- To ensure all **reasonable alternatives** including 'Do Nothing' are considered and that a preferred alternative will have **minimal impact on the natural, cultural, social and economic environment**
- To gather essential input from the **public, stakeholders and technical agencies**



This project is classified as a **Schedule 'C' Municipal Class EA** and is subject to Phases 1 through 4 as defined by the Municipal Class EA.

STUDY ORGANIZATION



EXISTING CONDITIONS / TECHNICAL STUDIES

Existing conditions, issues and constraints within the study area, determined from technical studies required by the Class EA, are summarized below.

Winger Road Bridge

- Single-lane bridge with no sidewalks or cyclist amenities
- Bridge requires extensive rehabilitation or replacement as structural condition continues to deteriorate
- Bridge assessments (2015 & 2017) recommend replacement



Transportation and Safety Operations

- Winger Road is a 2-lane roadway with a posted speed of 70 km/h
- For bridge crossing, southbound motorists must yield to northbound motorists
- Curves in road immediately north and south of bridge



EXISTING CONDITIONS / TECHNICAL STUDIES (CONTINUED 1)

Socio-Economic Environment

- Residential community of Stevensville, including Stevenson Public School to the west, agricultural lands to the east and industrial lands to the north of the study area
- Stevensville Sanitary Pumping Station at south-east corner of Winger Road and East Main Street
- CN and CP Railways are to the north and south of the bridge

Natural Environment

- The Winger Road Bridge crosses a tributary of the Black Creek, within the Black Creek Watershed and is part of the Black Creek Wetland Complex (Provincially Significant Wetland)
- The Study Area supports a variety of wildlife, with the forest and swamp associated with the Black Creek Wetland Complex providing the highest quality habitat
- One Species at Risk, Barn Swallow (*Hirundo rustica*) was observed in the vicinity of the bridge



EXISTING CONDITIONS / TECHNICAL STUDIES (CONTINUED 2)



Cultural Heritage Environment

- Winger Road Bridge was constructed in 1950, and last rehabilitated in 2001
- Cultural Heritage Evaluation determined that the bridge does not retain cultural heritage value

Archaeological Potential

- Stage 1 Archaeological Assessment (Background Review) determined the study area exhibits archaeological potential
- Stage 2 Archaeological Assessment (field survey) is required to confirm any archaeological potential

During Phase 3 of the Class EA the following **additional studies** will be completed:

- **Hydraulics Analysis** to review floodplain mapping and hydraulic modelling of the Black Creek Tributary
- **Stage 2 Archaeological Assessment** to confirm the presence of archaeological resources prior to construction

ALTERNATIVE SOLUTIONS

The Municipal Class EA Planning and Design process requires identification and comparison of solutions to address the study objectives. In consideration of the structural and safety deficiencies of the Winger Road Bridge the following alternatives were evaluated:

1. Do Nothing	No improvements or repairs to address structural deficiencies are undertaken. This alternative is required primarily for comparative purposes under the EA Act.
2. Rehabilitate the Bridge	Undertake repairs to the existing structure, including road closures during construction. Cross section of Winger Road to be considered during Phase 3 of the EA.
3. Replace Bridge	Complete replacement of the bridge structure, including full road closure during construction. Cross section and alignment of Winger Road to be considered during Phase 3 of the EA.
4. Maintain Bridge for Pedestrian and Cyclist Traffic Only	Permanently close Winger Road Bridge to vehicular traffic. Maintain existing bridge as a pedestrian and cyclist crossing only. Cross section for pedestrians and cyclists would be considered during Phase 3 of the EA.
5. Remove Bridge	Permanent closure and demolition of the Winger Road Bridge. Vehicular, pedestrian and cyclist traffic redirected to other crossings.

ALTERNATIVE 1 - DO NOTHING

Description

No improvements or changes to the existing bridge to address structural deficiencies or other repairs identified in recent inspections. This alternative is a requirement outlined for consideration in accordance with the *Environmental Assessment Act*.



Key Features

- Bridge continues to deteriorate and remains a **single-lane** crossing
- Current roadway configuration **remains as is**, with no traffic operation or safety improvements
- Substandard road condition and alignment not addressed
- Does not address the problem / opportunity statement.

ALTERNATIVE 2 - REHABILITATE THE BRIDGE

Description

Existing bridge is rehabilitated to address the identified structural deficiencies. Repairs to the existing structure delay the need to replace the bridge temporarily.



Key Features

- Full replacement of bridge would be **delayed approximately 10 years**
- Bridge remains a **single-lane** crossing
- Roadway alignment remains as is
- Road closures during construction
- Partially address the problem / opportunity statement.
- Cross section of the bridge and approaches would be considered during Phase 3 of the EA.

ALTERNATIVE 3 - REPLACE BRIDGE

Description

Complete replacement of the Winger Road Bridge structure.



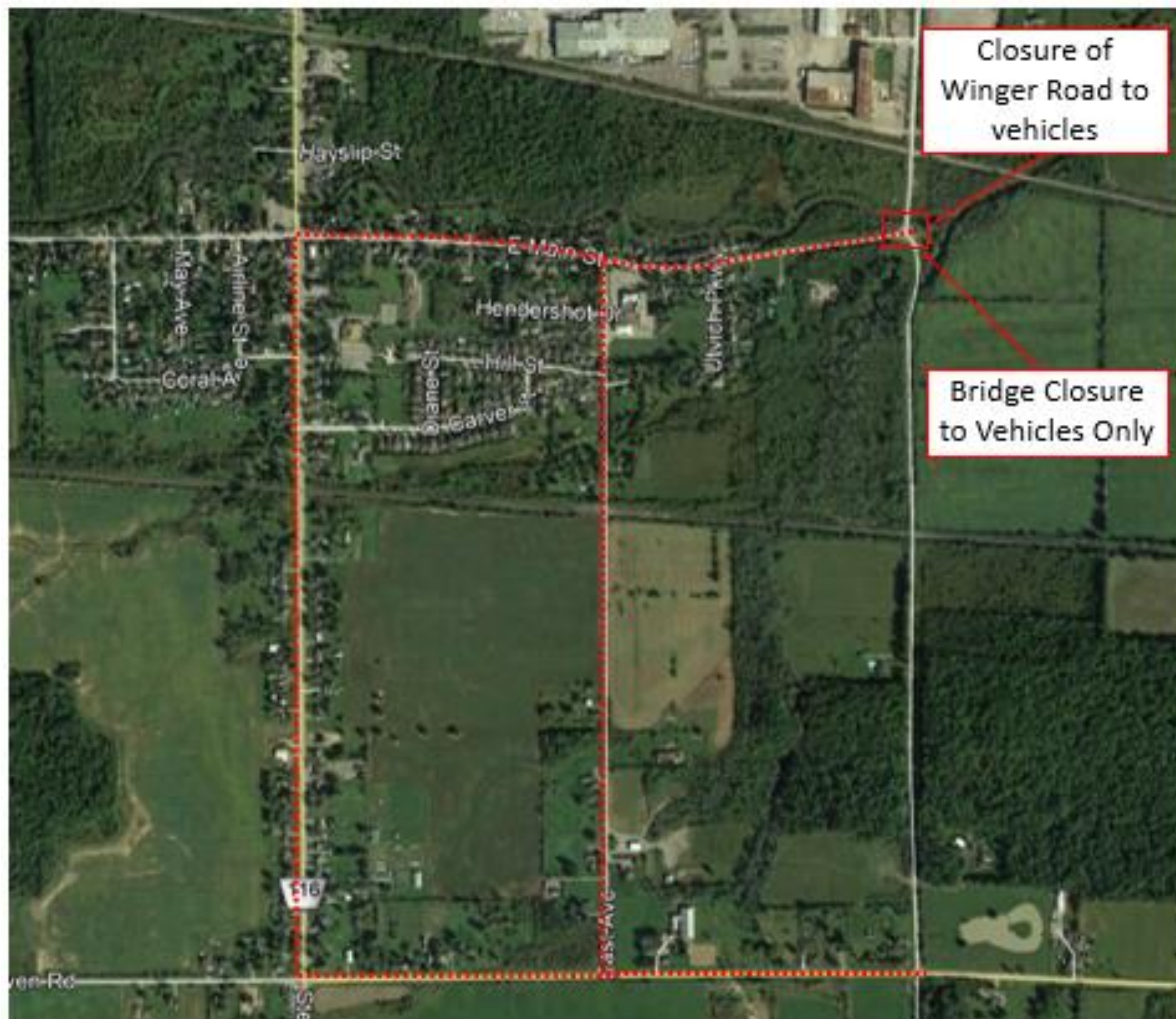
Key Features

- Complete **replacement** of existing bridge structure (i.e. existing bridge is **removed and replaced** to address structural deficiencies)
- Alternative alignments and lane configurations, including potential **widening to 2-lanes** and accommodation for pedestrians & cyclists will be evaluated in Phase 3 of the EA
- Partial or full road closure during construction. To be determined based on preferred design concept as determined in Phase 3 of the EA.
- Fully addresses the problem / opportunity statement.

ALTERNATIVE 4 - MAINTAIN BRIDGE FOR PEDESTRIAN AND CYCLIST TRAFFIC ONLY

Description

Existing bridge is permanently closed to all vehicular traffic, with cyclists and pedestrians only able to utilize the bridge.



Key Features

- Winger Road to be **closed** from south of the Bridge to East Main Street.
- **Cyclist and pedestrian** traffic would continue to utilize the bridge.
- Vehicles required to use **alternative routes** (e.g. East Avenue and Stevensville Road).
- Significantly impacts residents and business.
- Does not address problem / opportunity statement.
- Cross section for pedestrian and cyclists would be considered during Phase 3 of the EA.

ALTERNATIVE 5 - REMOVE BRIDGE

Description

Existing bridge is permanently closed to vehicle, pedestrian & cyclist traffic.

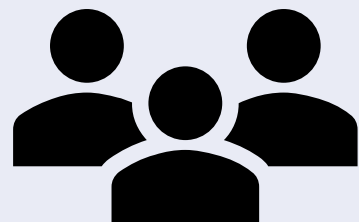
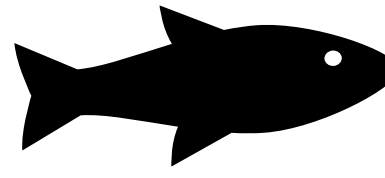
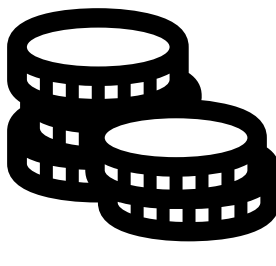


Key Features

- After **permanent closure**, bridge is **removed** to avoid all future maintenance costs.
- Full **demolition** of bridge.
- Winger Road from south of the Winger Road Bridge to East Main Street closed to vehicular traffic.
- Vehicles, pedestrians, and cyclists would be required to use **alternative routes** (e.g. East Avenue and Stevensville Road).
- Significantly impacts residents and business.
- Options for closure and demolition would be considered during Phase 3 of the EA.

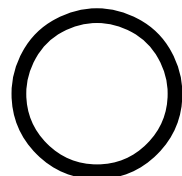
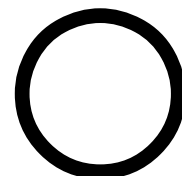
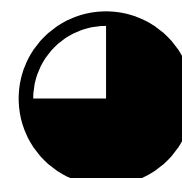
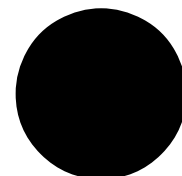
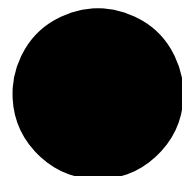
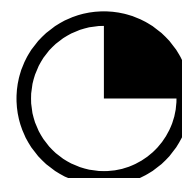
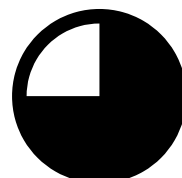
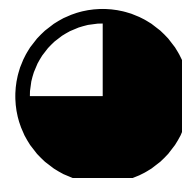
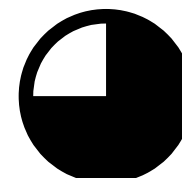
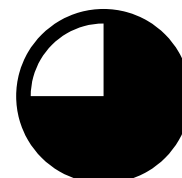
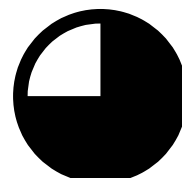
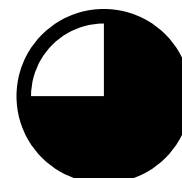
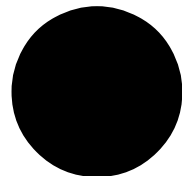
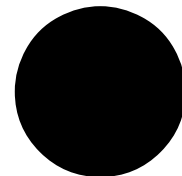
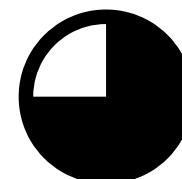
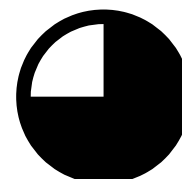
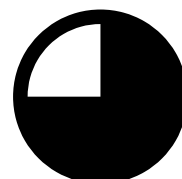
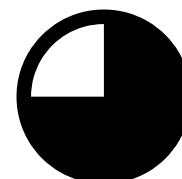
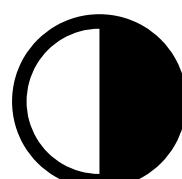
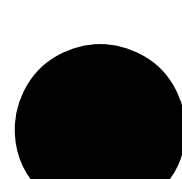
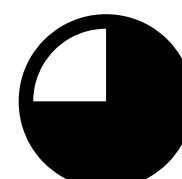
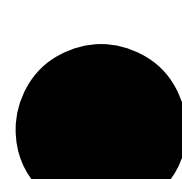
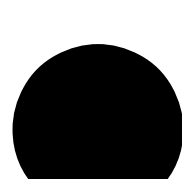
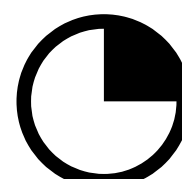
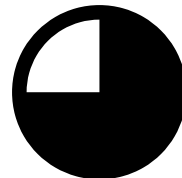
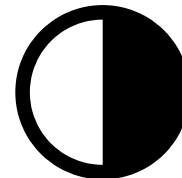
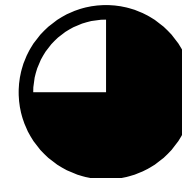
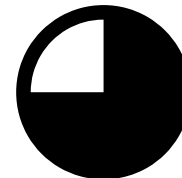
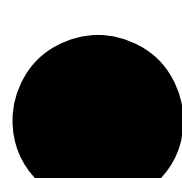
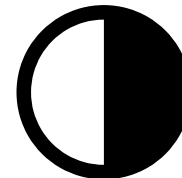
EVALUATION OF ALTERNATIVE SOLUTIONS

Each of the identified alternative solutions to address the structural and safety deficiencies of the Winger Road Bridge were comparatively evaluated based on the criteria described below, which represent the broad definition of the environment, as described in the *EA Act*.

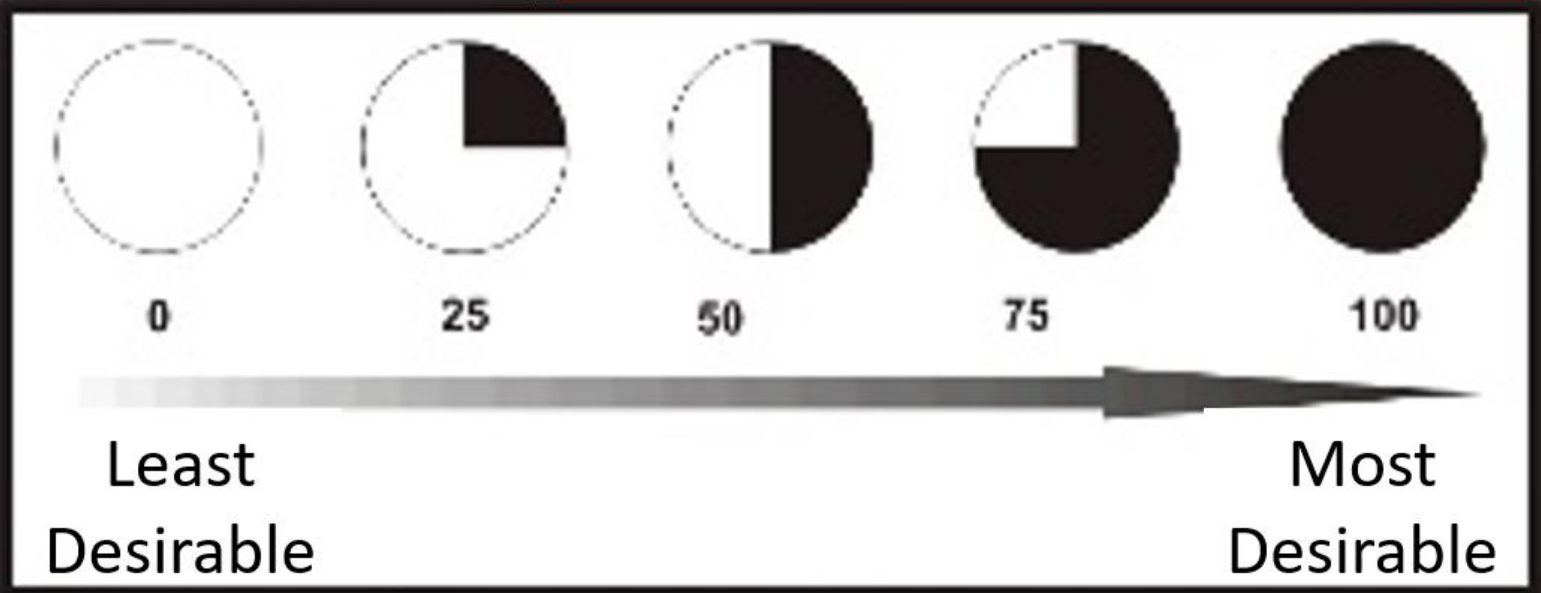
CRITERIA		DESCRIPTION
 Technical	Does the alternative adequately address the technical requirements of the project (e.g. vehicular, pedestrian and cycling traffic needs)?	
 Socio-Economic Environment	What impacts will the alternative have on the local community (e.g., compatibility with area land use, impacts on local businesses, property requirements, access restrictions, etc.) ?	
 Natural Environment	How does the alternative affect existing vegetation, water quality, fisheries/wildlife and habitat? Does the alternative address climate change?	
 Cultural Heritage	Will the alternative affect archaeological, cultural heritage resources or Indigenous communities?	
 Costs	What is the capital cost of the alternative? What is the cost for utility relocations and property acquisitions? What are the operation and maintenance cost impacts?	

EVALUATION OF ALTERNATIVE SOLUTIONS - RECOMMENDATION

Alternative 3, Replace Bridge, is recommended to be carried forward as it best addresses the Town’s objectives while minimizing impacts on the surrounding environment.

Alternatives	Technical / Structural	Traffic Operations & Safety	Social Environment	Natural Environment	Heritage / Archaeological / Cultural Impacts	Cost	Evaluation Summary
Alternative 1 - Do Nothing							Not Recommended
Alternative 2 - Rehabilitate Bridge							Not Recommended
Alternative 3 - Replace Bridge							Recommended to be Carried Forward
Alternative 4 - Maintain Bridge (Pedestrian & Cyclists)							Not Recommended
Alternative 5 - Remove Bridge							Not Recommended

Scoring based on evaluation criteria illustrated in previous slide.



RECOMMENDED SOLUTION (PRELIMINARY)

Key features of the recommended solution to replace the Winger Road Bridge are summarized below.



The preferred alternative design concepts to replace the Winger Road Bridge, including alignment and cross-section will be evaluated in **Phase 3** of the Class EA Study.

YOUR INPUT AND NEXT STEPS

**THANK YOU FOR ATTENDING!
PLEASE FILL IN A COMMENT SHEET**

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Following this PIC, the project team will:

- Confirm or revise the preferred solution in consideration of the comments received
- Complete additional studies and meet with technical agencies, as required
- Identify and confirm recommended design components (e.g. hydraulic opening; alignment; width; lane configurations, etc.)
- Present the recommended design for the bridge and approach roads at a **2nd Public Information Centre**, anticipated to be held in Late Winter or Early Spring 2021