



THE PROJECT

Five pedestrian bridges in the Mill Creek Ravine are in need of rehabilitation. Two are glulam bridges and three are trestle bridges.

The City has been investigating the best rehabilitation solution for each bridge and has determined the following:

Trestle bridge B029

- Located on the upper asphalt trail, the bridge will be **replaced** to match the existing structure with an alternate style handrail (to be chosen with public input). The bridge deck will be widened from 3.2 m to 4.2 m to meet current standards and new concrete abutments will be constructed. Other upgrades include improved structural durability and enhanced approaches.

Trestle bridges B032 and B033

- Two trestle bridges on the upper asphalt trail will be **repaired** while maintaining an historical look. Rotten wood will be replaced, including decking, stringers, pier piles and bracing. The bridge decks will be widened from 3.2 m to 4.2 m and new concrete abutments will be constructed. A new handrail style will be chosen with public input. The bridges' structural durability will be improved and approaches enhanced. Piers will be removed from the creek and replaced with new truss spans. In addition, the bridge head slopes will be stabilized and erosion protection will be improved within the vicinity of the bridge.

Glulam bridges B198 and B200

- Located on the lower gravel trail, the two glulam bridges will be **replaced** and the new bridges will be constructed with concrete abutments and foundations. Both bridge decks will be widened from

2.4 m to 3.0 m and bridge approaches will be enhanced.

THE TIMELINE

Early 2017 – Bridge Design Complete

Spring 2017 – Public Information Session #2

2017 – 2018 – Construction (may include winter months)

THE ENVIRONMENT

An Environmental Assessment is being conducted in keeping with The North Saskatchewan River Valley Area Redevelopment Plan (Bylaw 7188). The assessment will describe the existing conditions of the project area and, based on potential interactions between the proposed project and the environment, will identify environmental impacts and determine ways to minimize negative impacts.

The assessment is anticipated to be complete in November 2016 and presented to City Council in early 2017.

THE IMPACTS

Construction will take place during 2017 and 2018.

- Construction staging options are being reviewed to minimize trail disruptions and determine detours
 - Each bridge will be fully closed during its rehabilitation
 - Detour information will be provided at Public Information Session #2
- Trees and shrubs within 5 m of the bridges will be removed prior to construction, as well as a few select trees beyond 5 m. This will help maintain the health of the wood bridges as air circulation around the structures is critical to keep the wood dry and prevent rotting.



PUBLIC SURVEY RESULTS

The City conducted a survey in July 2016 to understand views about the historical significance of the trestle bridges.

The survey was administered online (for the general public and Edmonton Insight Community), as well as through intercept surveys in the ravine. A total of 2789 responses were received.

The results indicate the majority of respondents (87%) feel the Mill Creek Ravine trestle bridges have historic value and that the rehabilitation of these bridges should generally replicate or mimic their current design.

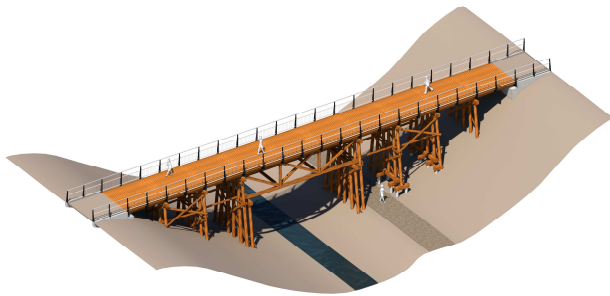
In response to this input, the trestle bridges will be rehabilitated while maintaining an authentic look and feel, and improving safety and functionality.

Many survey respondents referenced a desire to ‘tell the story’ of the trestle bridges in some way within the ravine. The City is currently looking at different ways to do this, including plaques, signs or other opportunities.

TRESTLE BRIDGE CONCEPTS

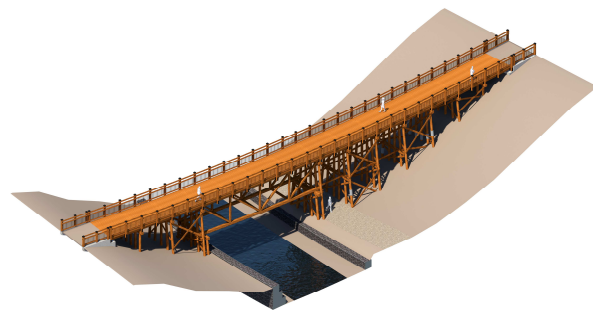
Trestle Bridge B032

Showing handrail Option A – Modern



Trestle Bridge B033

Showing handrail Option B - Classic



YOUR INPUT

Your input will help us determine the style of handrails for the three trestle bridges and to coordinate detours. Please complete our comment form available at the October 27, 2016 Public Information Session or online at edmonton.ca/millcreekpedbridges by November 14, 2016.



OTHER NEARBY PROJECTS

Mill Creek Daylighting Feasibility Study

Contact: Achyut Adhikari

Email: achyut.adhikari@edmonton.ca

Mill Creek Water Quality Study

Website: Edmonton.ca/millcreekwaterquality

Mill Creek Multiple Trail Realignments

Contact: Shannon Hall

Email: shannon.hall@edmonton.ca

Queen Elizabeth Park Combined Sewer Overflow Project

Contact: Arjun Aryal

Email: arjun.aryal@edmonton.ca

LRT Valley Line Project

Website: transedlrt.ca

Email: info@transedlrt.ca

FOR MORE INFORMATION

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