



Welcome to the Open House for the City of Winnipeg's

STURGEON CREEK AT SASKATCHEWAN AVENUE PROJECT

We want to hear from you.

Please feel free to:

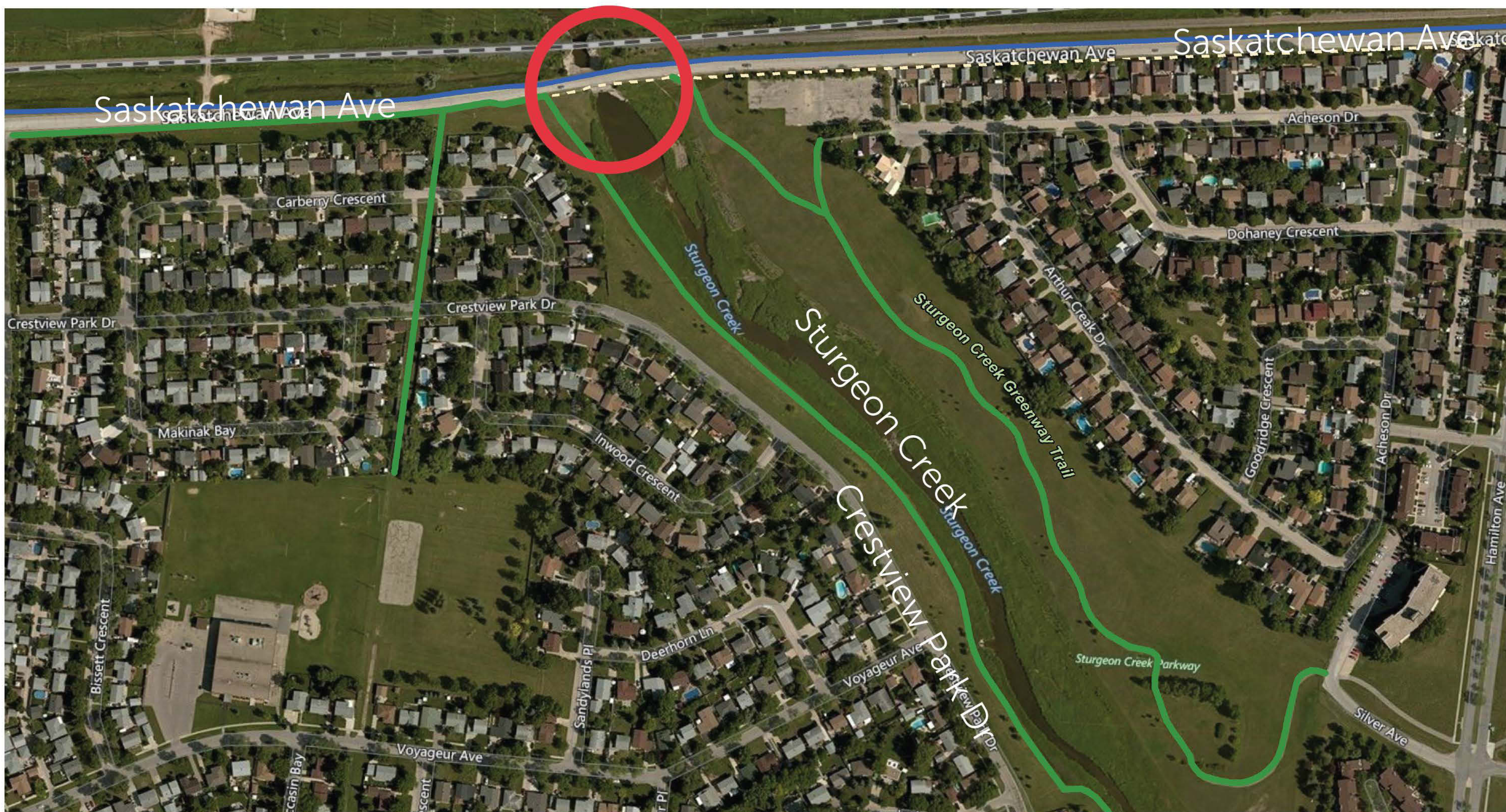
- View the recommended design concept and information presented
- Ask questions and talk with study representatives
- Provide feedback on design concept and proposed Active Transportation upgrades

Purpose of the Study

The box culvert at Saskatchewan Avenue has been found to be hydraulically deficient to handle Sturgeon Creek flows during spring run-off and heavy rain event conditions. Between Hamilton Avenue and Cavalier Drive the road is in fair to poor condition. A study is required to develop a preliminary design for replacement of the culvert with a high-level bridge, and re-construction or rehabilitation of the road. This study consists of:

- Geotechnical and Hydraulic Investigations
- Utilities Assessment
- Development of a Replacement Structure
- Road Reconstruction / Rehabilitation Concepts

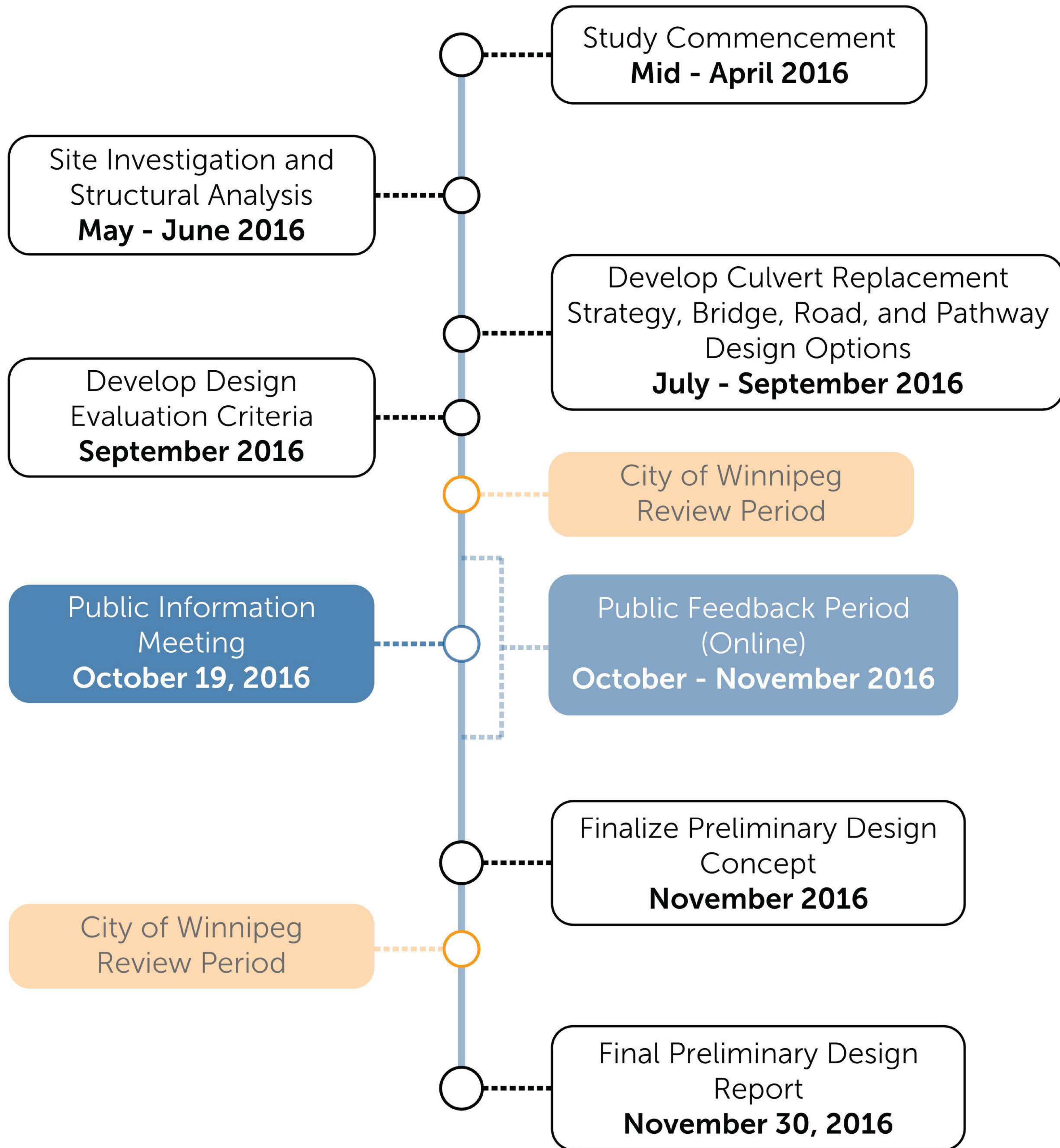
Study Location



Study Objectives

- Improve flow of Sturgeon Creek
- Prevent flooding and improve road conditions of Saskatchewan Avenue
- Explore Upgrades to the Multi-Use Pathway to the East and West of Sturgeon Creek and along Saskatchewan Avenue

Project Timeline



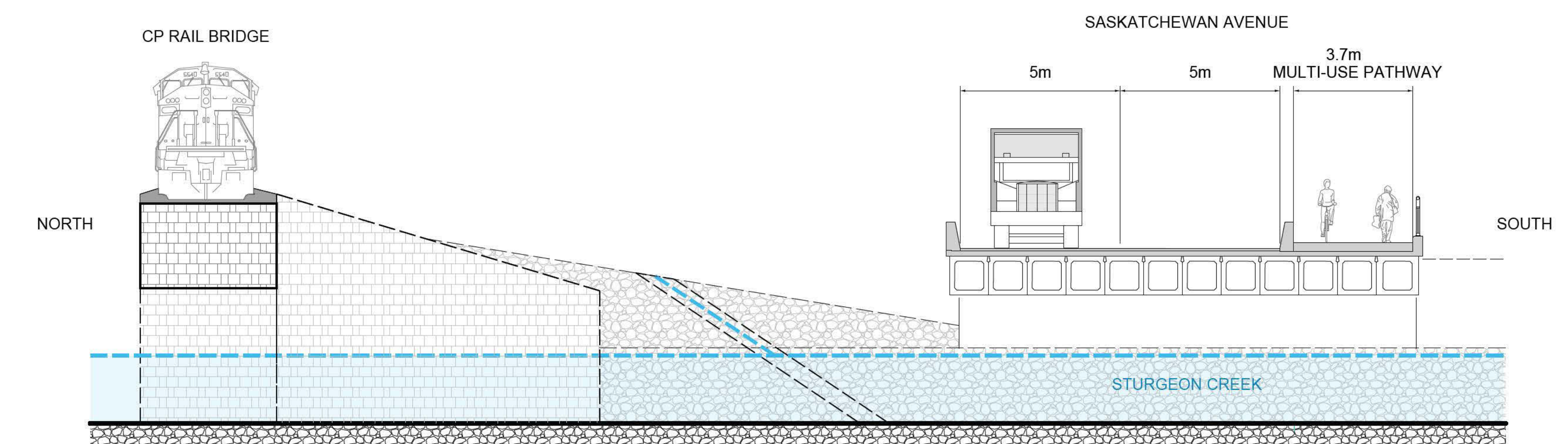
Design Features

- Bridge to have two 3.7m lanes with 1.25m shy distance from traffic barriers
- Bridge to have a single 3.7m wide multi-use sidewalk connected to City's AT pathways
- Minor road alignment shift to mitigate bridge impact on adjacent Canadian Pacific Railway Line
- Integral abutment design option to minimize future bridge maintenance
- Reconstruction and rehabilitation of roadway and sidewalks between Cavalier Drive and Hamilton Avenue
- Cleaning and underground repairs to gravity sewers, outfalls, and watermains
- Enhancement of the active transportation network throughout the project limits

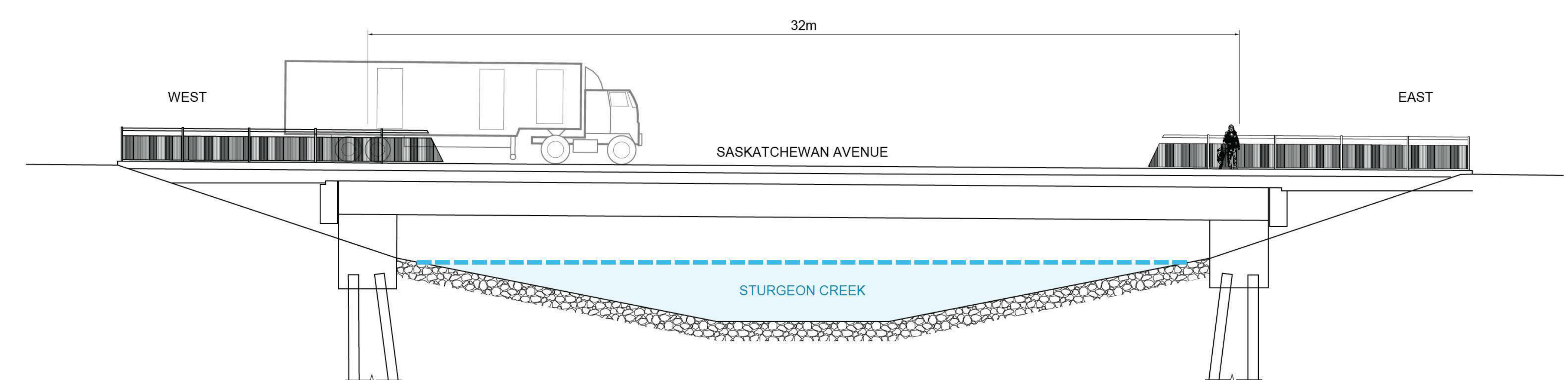
Design Concept



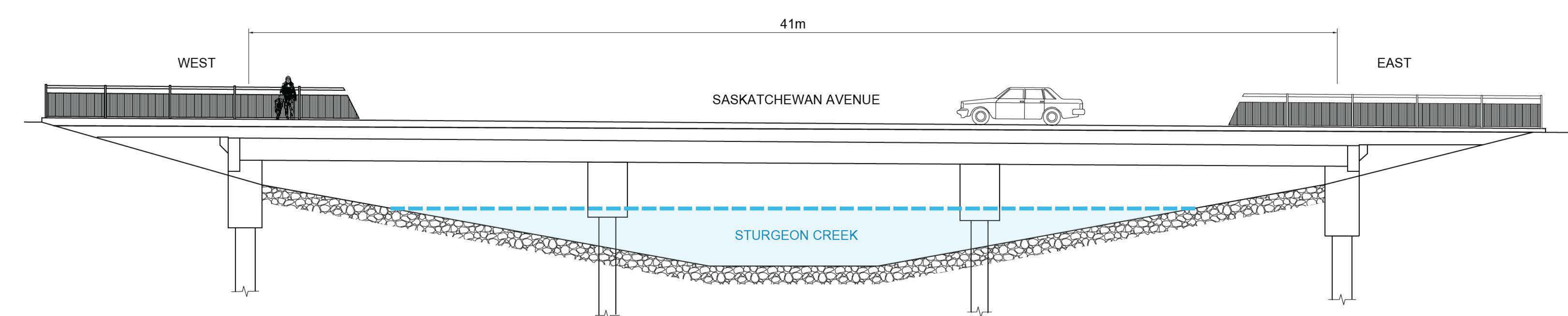
Proposed Design Concept



North - South Cross Section



West - East Cross Section - Single Span Bridge Option



West - East Cross Section - Multi-Span Bridge Option

Active Transportation

A new multi-use pathway network is proposed within the project limits which will incorporate the sidewalk on the new bridge structure. The following segments of pathways forming a network have been designed as part of preliminary design, in accordance with latest City of Winnipeg Standards:

- Upgrade to existing multi-use pathway on the east bank of the creek
- Extension of pathway to Saskatchewan Avenue
- Extension of pathway west across Sturgeon Creek to Cavalier Ave
- Extension and upgrade of pathway on the west bank of the creek
- Extension of pathway along the Hydro corridor from Saskatchewan Avenue to end at Voyageur School.

3.5m Standard City of Winnipeg Multi-Use Pathway



Proposed Active Transportation Upgrades

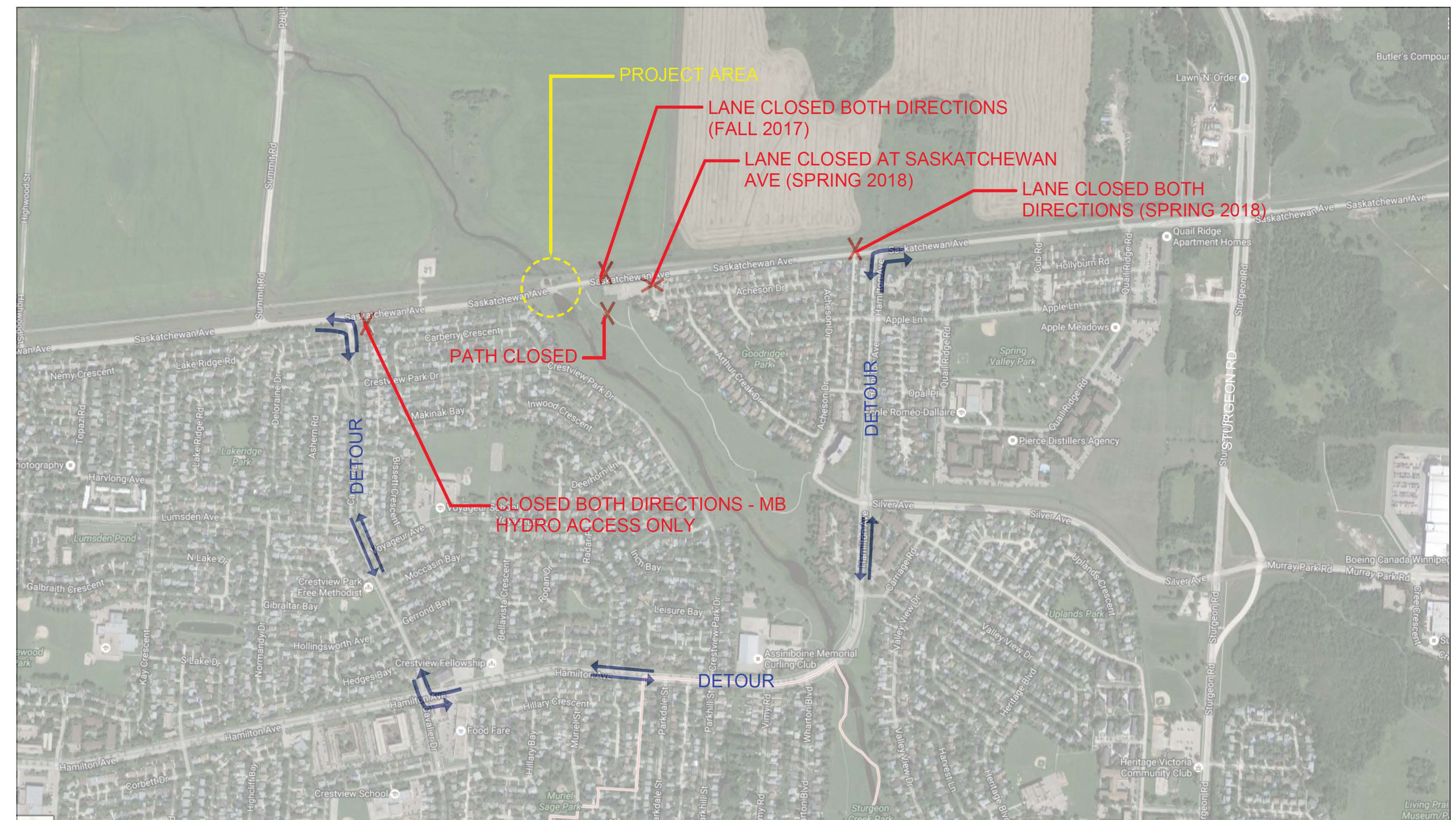


Context Map - AT Routes



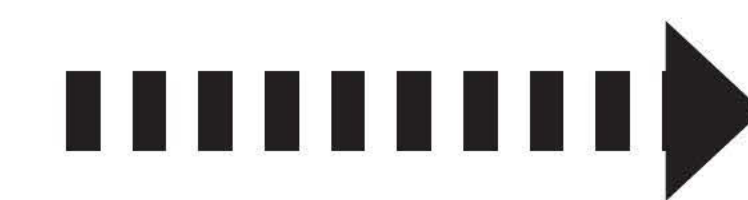
Traffic Management

- Saskatchewan Avenue between Cavalier Drive and Hamilton Avenue will be closed during the period of construction to general traffic.
- Related construction and MB Hydro vehicles will be permitted access during this time.
- Detour Route during the construction period will be along Cavalier Avenue and Hamilton Avenue.

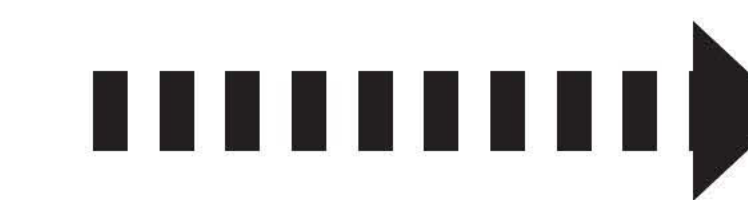


Implementation Timeline

Begin Detailed Design
November 30, 2016



Construction Work
Commences
Fall 2017



Construction Completed
Fall 2018

Creek Bank Naturalization

The revegetation plan will be for a naturalized area to be at least equivalent to the current condition and may be expanded up to the AT path where vegetation is needed. Maintenance will continue to occur above the AT pathway during the course of construction.



Habitat Protection

The design will incorporate best practices to protect the creek environment and aquatic habitat. These measures include:

- Permitting no construction in Sturgeon Creek during spring migration and spawning period
- Preserving riverbanks and returning them to their natural state
- Maintaining spawning shoals
- Maintaining and enabling upstream fish passage

Sturgeon Creek Aquatic Species



Walleye



Channel Catfish



Northern Pike

What impacts are expected during bridge and road construction?

The City will work to mitigate construction impacts as much as possible. During the bridge and road construction work, the primary impact will be the temporary road closure of Saskatchewan Avenue between Cavalier Drive and Hamilton Avenue. Residents should expect increased vehicular traffic on Hamilton Avenue and some residential streets due to re-routing of traffic.

How will active transportation be incorporated into this project?

Road and bridge improvement projects have been identified as an excellent opportunity to expand Winnipeg's pedestrian and cycling facilities. With work occurring to replace the bridge structure, there is an opportunity to incorporate a sidewalk on the new bridge connecting to the Sturgeon Creek Greenway multi-use pathway as well as extending west towards Cavalier Drive.

What route will construction vehicles take?

Construction vehicles will use Saskatchewan Avenue.

What will be done to protect environmentally sensitive areas and Sturgeon Creek?

Best management practices for working near waterways that include appropriate implementation of soil erosion control measures will be followed. Exposed slopes not covered with rock will be revegetated. In-stream construction activity will not occur between April 1 and June 15 in any year. Construction will occur in late fall and winter period when water levels are lowest and the potential for runoff is reduced and thereby minimizing water management requirements.

When will construction begin? And how long will construction take?

Construction is anticipated to begin in late fall of 2017 for a period of one year.