



**Welcome to the Public Information Session for the City of Winnipeg's**

# **Taché Promenade**

**Tuesday, October 17, 2017**

**We want to hear from you. Please participate today by:**

- Viewing the recommended design and information presented
- Asking questions and talking with study representatives
- Providing your feedback on a comment sheet about the design

The Taché Promenade project includes financial commitments from Canada 150 and The Winnipeg Foundation.



## Background

The Taché Promenade project will improve public spaces and the riverfront area along Taché Avenue between Provencher Boulevard and Despins Street featuring a widened promenade-style walkway and pedestrian belvedere (also known as lookout) elevated above the riverbank that incorporates public art. Together, these features will build on the success of our core waterfront areas, improve connections with destinations in St. Boniface and enhance pedestrian and cycling opportunities. The project also involves riverbank stabilization work, which will protect the promenade, roadway and important sewer and water infrastructure in the area, and increase the reliability of the City's primary dike.

2014: A 20-year downtown waterfront vision is developed for several waterfront areas of the City including St. Boniface and the Forks. The Taché Promenade conceptual plan is part of this vision.

2015: City of Winnipeg (the City) commissions a riverbank condition assessment and a functional design for the sidewalk expansion and a lookout structure.

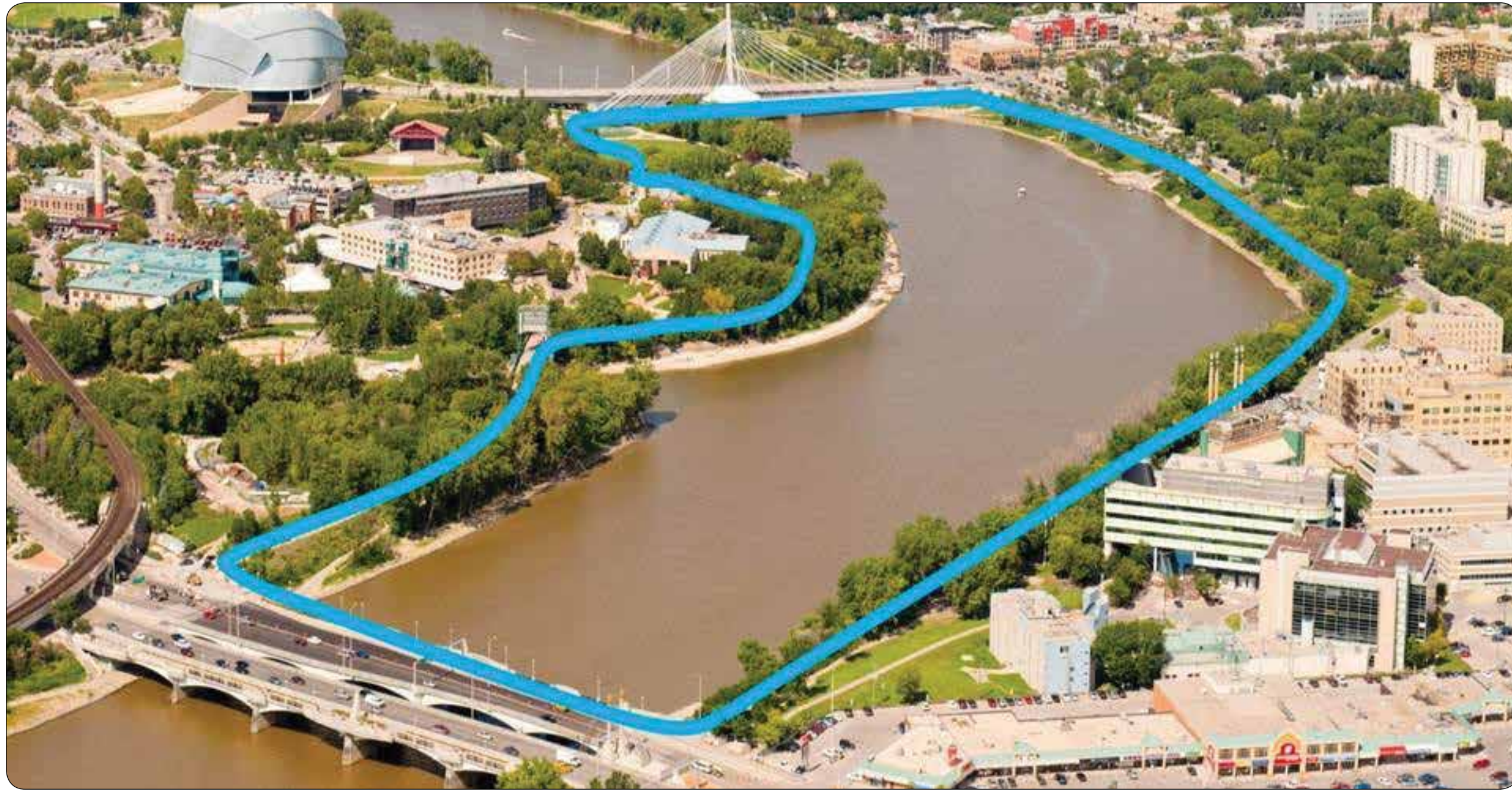
2016: City recommends capital funding for riverbank stabilization, a pedestrian lookout structure and public art for the Taché Promenade.

## Project Timeline



2017: Design has now progressed through detailed design. The plan is to perform the riverbank stabilization work over the winter of 2017-2018, and construct the promenade and pedestrian belvedere features in 2018.





## The St. Boniface/Forks Loop

A working group of community sponsors have been meeting for several years to advance the vision of a 2.5 km walking and cycling loop linking Winnipeg's culturally important and historically significant destinations on both The Forks and St. Boniface sides of the Red River.

In addition to promoting healthy and active living, the loop features historical and culturally significant destinations, including The Forks National Historic Site, The Forks South Point, the Canadian Museum for Human Rights, Esplanade Riel Bridge, Norwood Bridge, Taché Docks, the St. Boniface Museum, the St. Boniface Cathedral, and the St. Boniface Hospital.

Various project sponsors are developing portions of the loop. The role of the working group is to ensure coordination and collaboration between the various stakeholders in linking destinations, interpreting points of interest, and creating an enjoyable and memorable user experience.

### Some Points of Interest along Taché Promenade



**St. Boniface Cathedral**  
2018 is the bicentennial of  
St. Boniface Cathedral and  
Archdiocese



**St. Boniface Hospital**  
Buhler Gallery & Sisters' Garden



**St. Boniface Museum**  
Former Grey Nuns Convent  
and oldest building in Winnipeg







## Riverbank Instability

The banks of the Red River along Taché Avenue have historically been subject to slope movements that have affected the roadway and primary dike. Some movements are ongoing and continue to pose a risk to infrastructure at the top of bank. The movements are primarily driven by ongoing shoreline erosion of exposed clay soils due to ice and river flows. Protection from erosion and stabilization of the riverbank is required.

## Shoreline Erosion

Causes:

- Ice jams & river flows

Effect:

- Loss of land, trees, vegetation
- Unstable riverbank movements / slides
- Damage to infrastructure

Solutions:

- Rockfill riprap blanket along shoreline to protect native soils from erosion

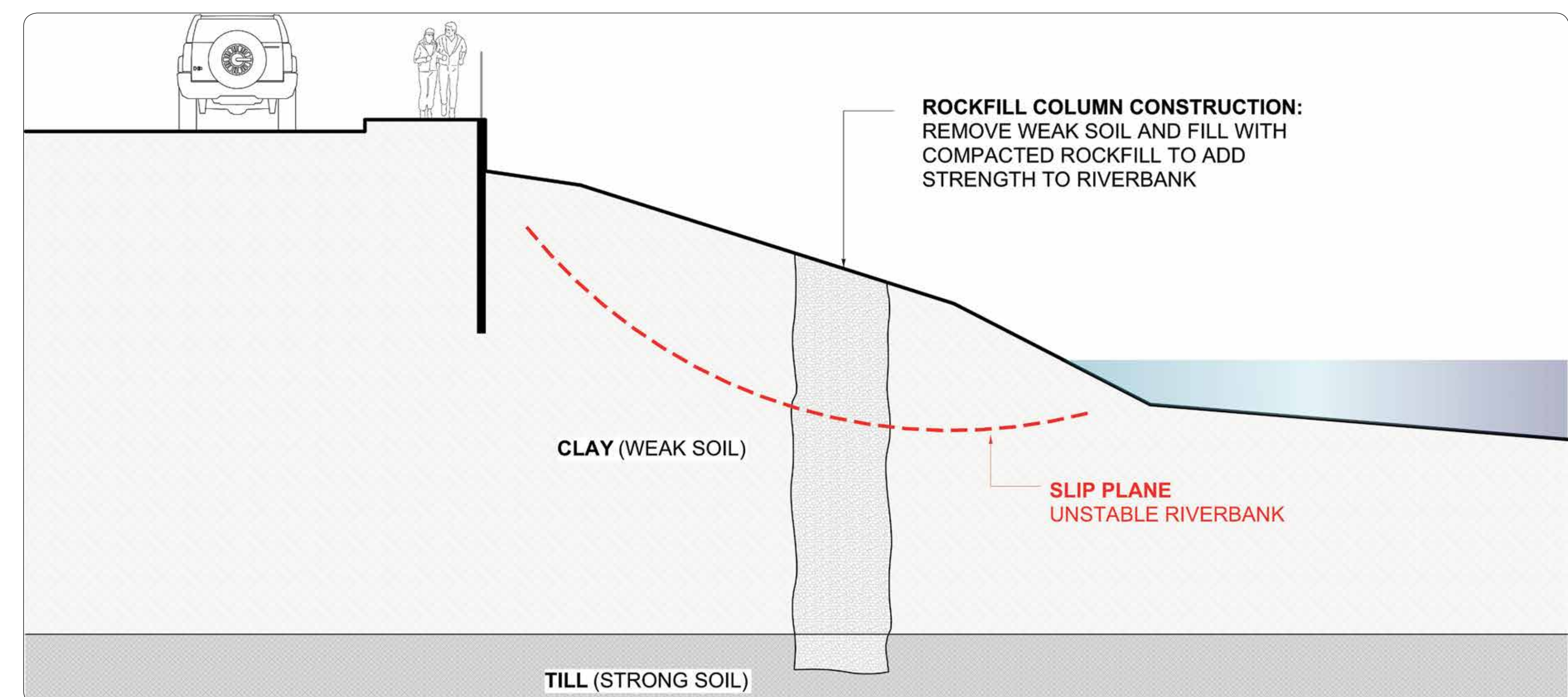


Taché Avenue Riverbank Erosion

## Riverbank Stabilization

Where infrastructure is located near unstable riverbanks, stabilization works are required to add strength to the riverbank soils and slow or halt riverbank movements. Rockfill columns are often used to replace weak soils (clay) with stronger materials (crushed rockfill), adding strength improving riverbank stability.

1. Large diameter holes are drilled vertically into the bank through the weak clay and into a deeper, stronger soil layer known as "till".
2. The holes are backfilled with stronger materials (crushed rockfill).
3. The rockfill columns are covered with clay and topsoil.
4. The riverbank is revegetated with native species of trees, shrubs and grasses.



## Rockfill Column Construction



Large auger used to drill holes for rockfill columns



Completed drilled shaft.



Riverbank revegetation on completion  
(photo: Lyndale Drive 2017)





## Riverbank Conditions

Riverbanks are sensitive ecosystems that require care and consideration when construction activities occur on or nearby waterways.

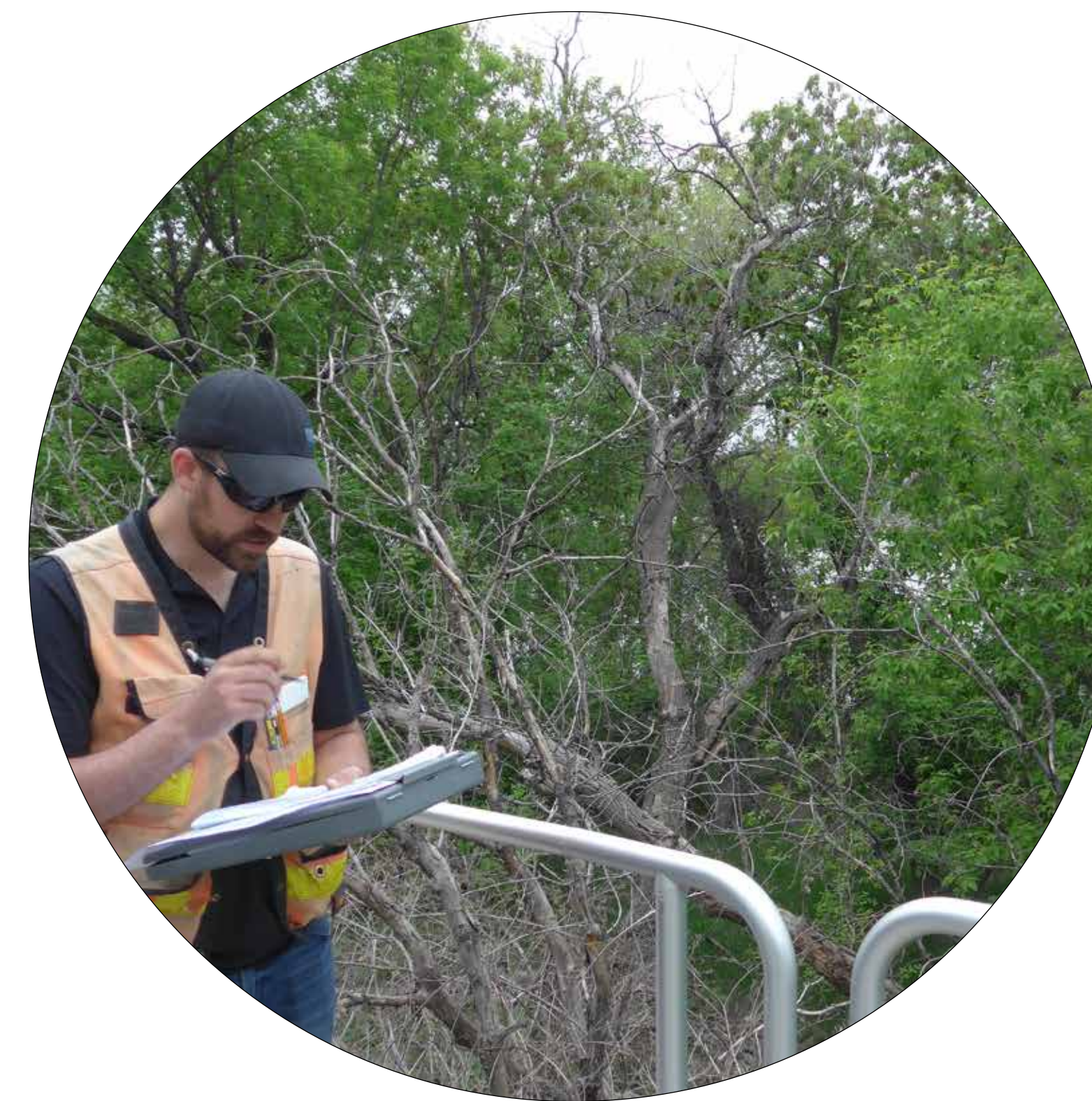
Construction activities will be performed in accordance with the Riverbanks Management Waterway guidelines and the Best Practices Handbook for Activities In and Around the City's Waterways and Watercourses. Work is being coordinated with the City of Winnipeg Urban Forestry and the Federal Department of Fisheries & Oceans.

## Requirements:

- Riverbank construction activities do not occur during fish spawning times
- Many trees in the project area are in poor condition or deceased, due to flooding and erosion. Some additional trees will be lost during construction. New trees will be planted to compensate for these losses.

## Revegetation Works

The restoration involves planting trees and shrubs, as well as a grass and perennial seed mix. All plantings are native riparian species typical of riverbank environments in Manitoba.



Surveying trees on the riverbank



Riverbank Replanting  
(Lyndale Drive)

## Plant Species to be Replanted

### Trees & Shrubs:

- Manitoba Maple
- Brandon Elm
- Basswood
- Golden Willow
- Cottonwood
- Pygmy Caragana

### Perennials & Seeding

- Virginia Creeper
- Native Grasses

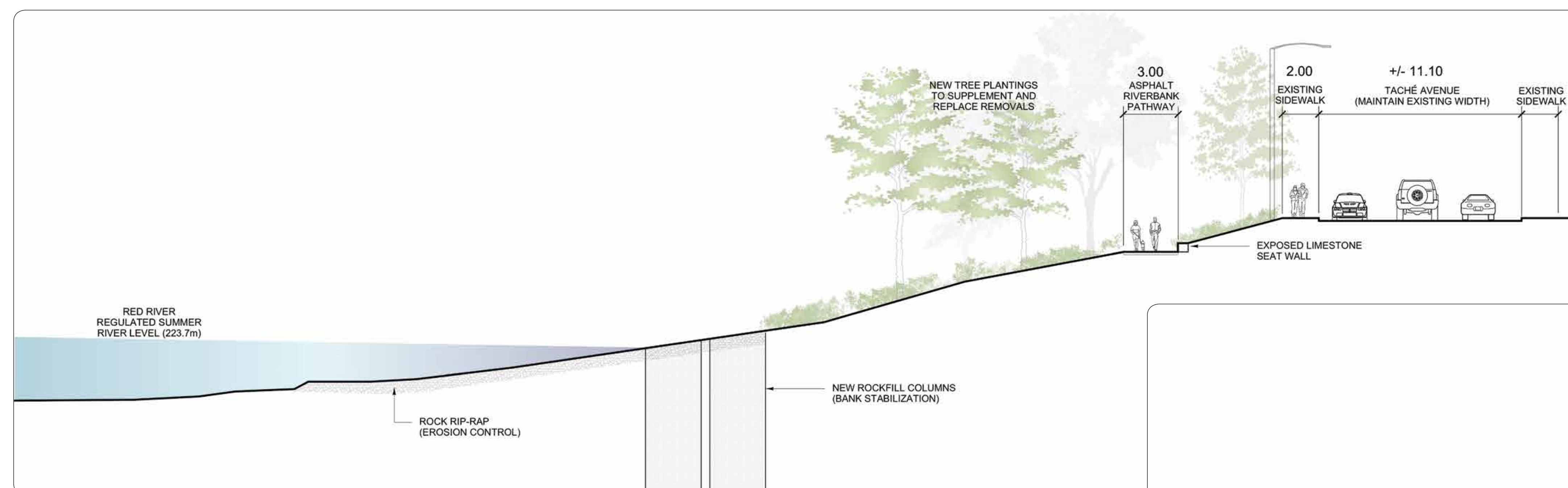
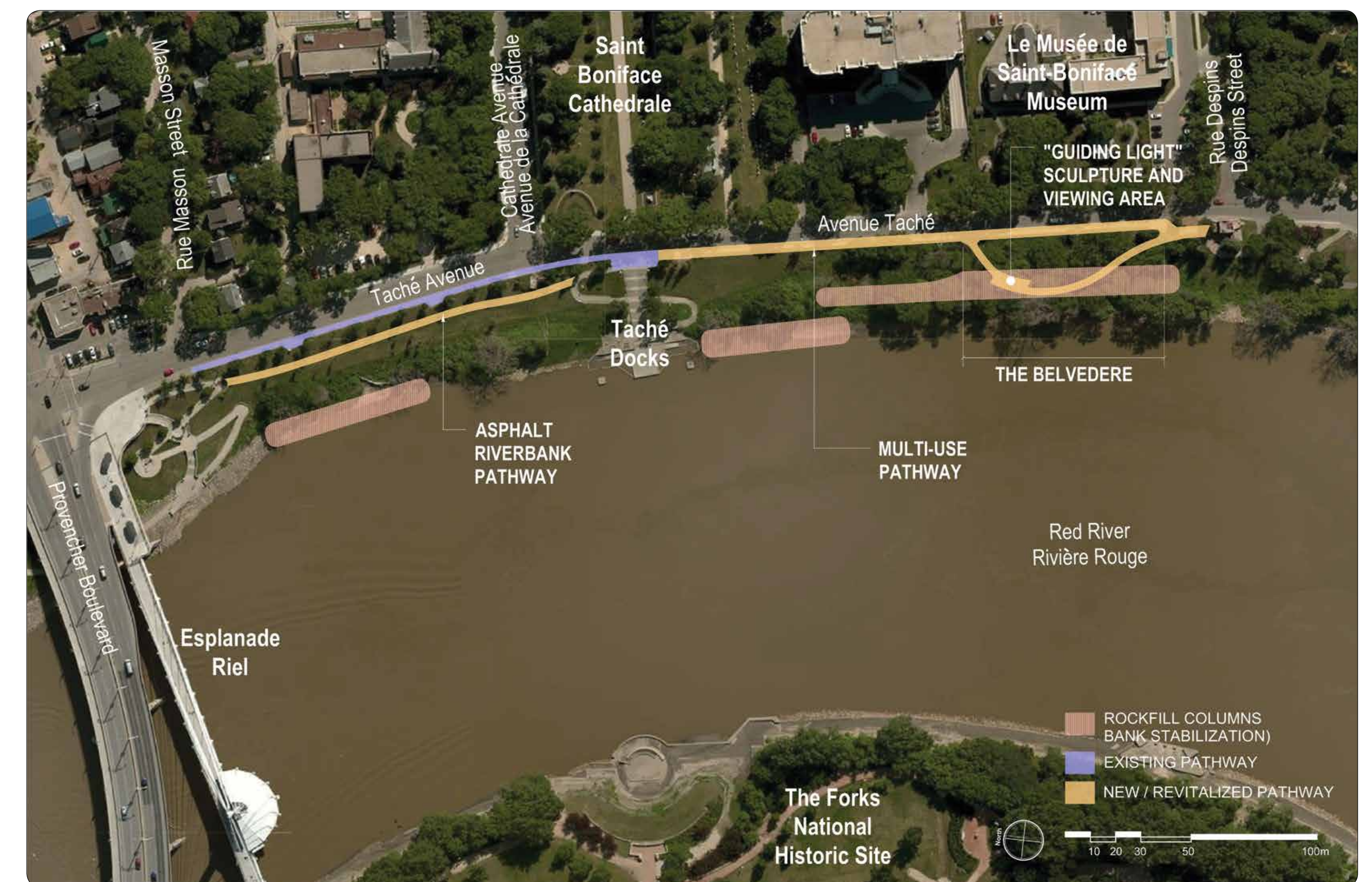


Riverbank Established  
(Seine Riverbank)

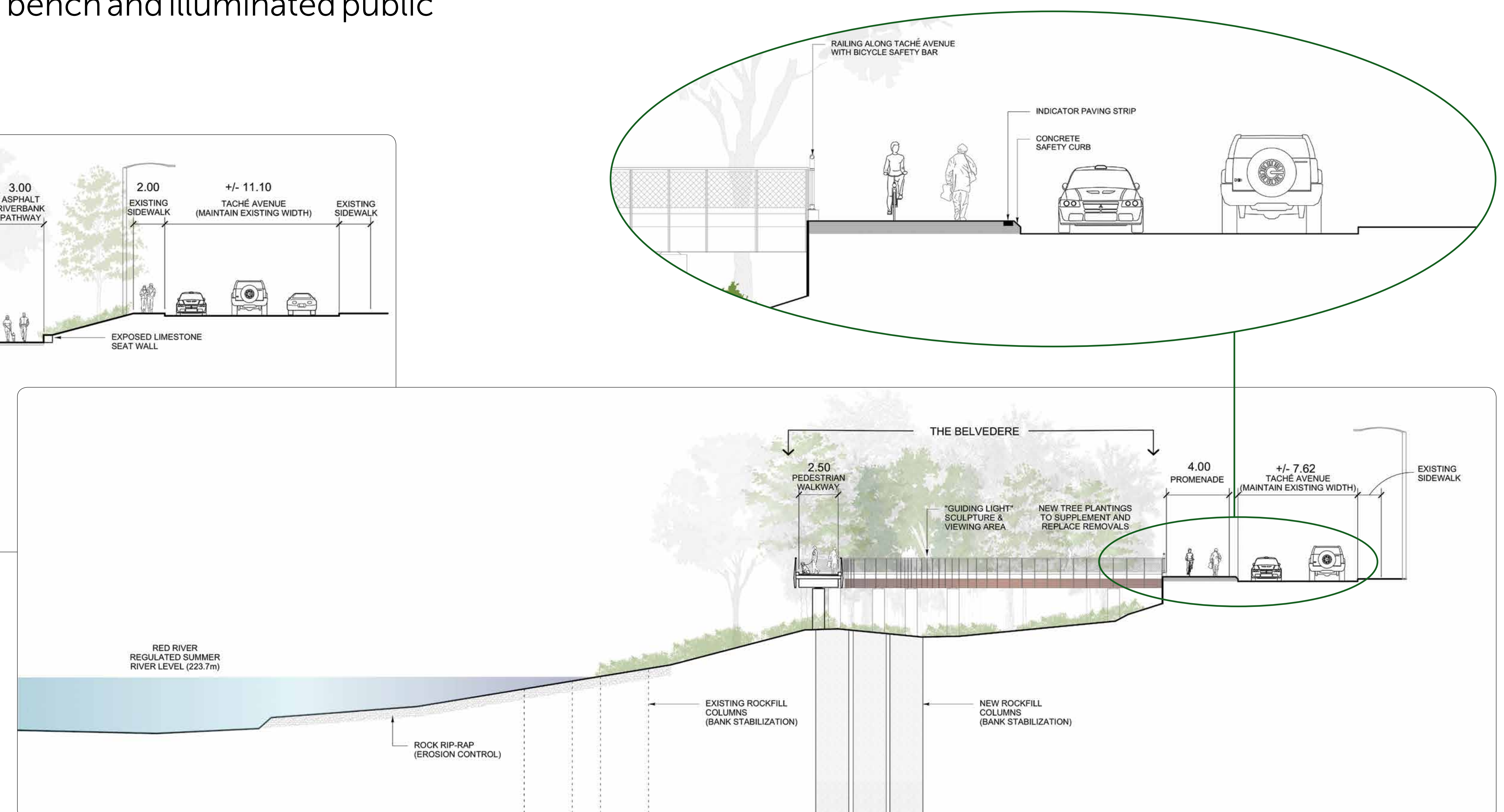


## Proposed Design

- New three metre wide asphalt multi-use riverbank pathway from Esplanade Riel to Taché docks
- Existing two metre west sidewalk maintained from Esplanade Riel to Taché docks
- Widened four metre wide promenade and retaining wall from Taché docks to Despins St. accommodates pedestrians and cyclists
- Promenade features vehicle safety curb, cycling safety rail and indicator paver strip
- Taché Ave existing roadway width maintained
- Existing two metre east sidewalk width maintained
- Promenade street lighting relocated to east side of Taché Avenue from Despins to Rue de la Cathédrale
- Accessible, pedestrian only 100 metre long belvedere with a custom paver design, illuminated handrail, see-through mesh screening, custom bench and illuminated public art sculpture



Multi-Use Riverbank Path, Sidewalk and Street Profile



Promenade and Belvedere Features



## belvedere

noun: bel-ve-dere \bel-və-dir\

*An open sided gallery or architectural structure sited to take advantage of a fine or scenic view*

The Belvedere is a 100 metre long walkway suspended in the river forest canopy off the Taché Promenade. It is envisioned to provide a unique perspective on the river landscape, and capture one of the most spectacular views in Winnipeg, framed by the Canadian Museum for Human Rights, Esplanade Riel, The Forks, and the downtown skyline. It will enhance the riverfront outside the St. Boniface Museum and cathedral, and is a key addition to the proposed St. Boniface/Forks Loop, which will link destinations and organizations on both sides of the river becoming a tourist attraction in itself.



LED handrail lighting example



Custom wood bench





On the belvedere at the closest point to the river, there is a widening with seating and a location for a public art piece on the theme of 'Guiding Light'.

The Winnipeg Arts Council is in the process of securing an artist for the work and will coordinate the commissioning of the public art sculpture. It is intended to interpret this theme liberally, and take inspiration from local heritage and nearby institutions and attractions along the St. Boniface/Forks Loop like the St. Boniface Cathedral, the St. Boniface Hospital, the Canadian Museum for Human Rights, the planned Walk of Reconciliation at The Forks, and Oodena Celebration Circle - all of which touch on different dimensions of the ideas of guidance and light: coming together, spirituality, refuge and solace.





## How is this project funded and how much will it cost?

The project is estimated to cost \$10 million, which includes a \$1 million contribution from the Winnipeg Foundation, and a Canada 150 grant from the Federal Government in the amount of \$500,000.

## When will this project be built?

Riverbank stabilization work will take place over the winter of 2017-2018, and construction of the promenade and pedestrian belvedere will continue into 2018.

## Will the Belvedere structure be universally accessible?

Yes, the structure will be accessible to people of all abilities. It has been designed in accordance with City of Winnipeg Accessibility Design Standards.

## Will riverbank trees be removed for stabilization work or lookout construction? Will new trees be planted?

In order to gain access to the riverbank and carry out stabilization work, some trees will require removal. The layout of the bank works has been carefully selected to minimize the impact on mature riverbank trees. To offset the loss of trees, new plantings will be installed as part of overall landscaping and vegetation restoration strategy.

## Why will this project cost \$10 million when the budget was \$5.2 million?

As the design progressed the budget for this project was refined from a class 4 estimate (accurate within –30% to +60%) to a class 2 estimate (accurate within –10% to +20%). As well, the project scope was increased to include an additional 140 metres of high priority riverbank stabilization work immediately north of the initial project site to ensure long term stability of the riverbank and primary dike. Funding for the additional riverbank stabilization work will be provided through the Riverbank Stabilization program.

## Will traffic be impacted during construction?

To complete the work as efficiently as possible, lane closures on Taché Avenue will be required, and at times, a full closure of Taché Avenue is needed. During these closures, advance detour signage will be provided. The duration of these impacts will be minimized as much as possible.

## What's the plan for walking and cycling during construction?

The sidewalk on the west side of Taché Avenue will be closed during construction. Pedestrians may use the east sidewalk during this time.



Thank You

# Thank you for your participation.

Please provide your comments by filling out a  
**feedback form** before you leave:

For updates on the project, please visit:

[winnipeg.ca/tachepromenade](http://winnipeg.ca/tachepromenade)

For any further questions or comments, please contact:

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204-944-9907

