

Lakeview Village Waterfront Trail and Pedestrian Bridge Class EA

Virtual Open House
June 2025




Welcome

Recorded Session

This virtual meeting will be recorded as part of the Environmental Assessment process.

Submitting Questions (Q&A)

- Please use the Webex Chat  to submit questions to the panelists
- Type your question, and click “send” to the panelists

Land Acknowledgement

We acknowledge the lands which constitute the present-day City of Mississauga as being part of the Treaty and Traditional Territory of the Mississaugas of the Credit First Nation, The Haudenosaunee Confederacy, and The Huron-Wendat and Wyandot Nations. We recognize these peoples and their ancestors as peoples who inhabited these lands since time immemorial. The City of Mississauga is home to many global Indigenous peoples.

Councillor Remarks

Meeting Purpose

To seek feedback on:

- Existing environmental conditions
- Nature and extent of the opportunity being addressed
- Alternative solutions considered
- Preliminary trail and bridge design along with integration with other park elements

Consultation is an important part of the EA process.

Background

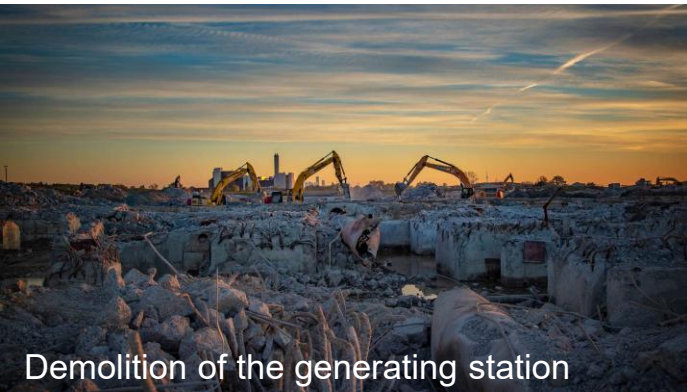
- The Waterfront Trail is a component of Waterfront Park being developed by the City of Mississauga as part of Lakeview Village.
- Lakeview Village is a mixed-use development situated on the former Ontario Power Generation (OPG) Lakeview Generating Station site.
- Lakeview Village has been the subject of many studies including the development of a comprehensive parks master plan strategy. These studies can be found on the City's website.
- Public consultation in support of the City's parks planning for Lakeview Village reinforced the importance of the waterfront for recreation and trail connectivity with adjacent public spaces.

Environmental Assessment Requirements

- The Municipal Class EA guides planning for municipal projects.
- The trail and bridge are the only project components subject to EA requirements.
- Given the nature and size of the trail and bridge this project is being planned as a Schedule B Class EA which will culminate with a Project File report.



Photo of the generating station



Demolition of the generating station



The Lakeview Village community will replace the OPG Lakeview Generating Station shut down in 2005.



Plan illustrating the proposed Lakeview Village parks network, as well as existing neighbouring parks.

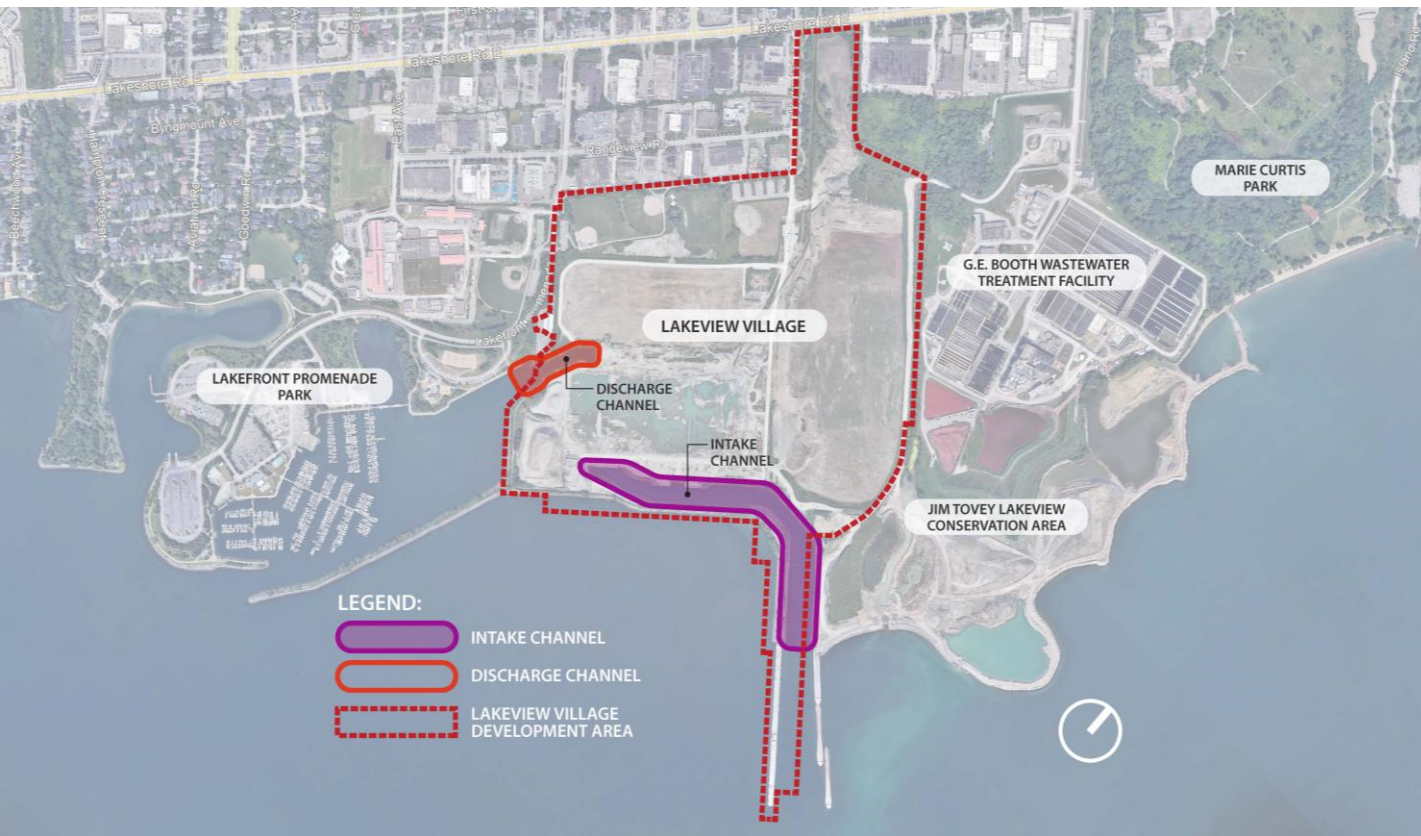
What is the Opportunity?

Existing Waterfront Trail is a major pedestrian and cycling facility, yet it currently runs along Lakeshore Road East for the portion adjacent to the Lakeview Village site. Redevelopment of the former Lakeview OPG site with park spaces along the waterfront creates opportunities for:

- Moving the Waterfront Trail to the water's edge;
- Providing public access to the water and across the site;
- Providing connections to the existing Lakefront Promenade Park to the west and Jim Tovey Lakeview Conservation Area (JTLCA), currently under construction, to the east through trail linkages along the water.

Existing Environmental Conditions

- Site was formerly the OPG Lakeview coal-fired generating station.
- Site has been cleared and is being remediated and risk managed as part of the development of Lakeview Village, which is currently under construction.
- Significant alteration by human activity: minimal natural areas exist.
- Shoreline is artificial and was constructed and maintained to serve the industrial functions of the generating station.
- Some limited aquatic habitat exists along the lakeside and channel shores.



Aerial plan with identified intake and discharge channel locations.



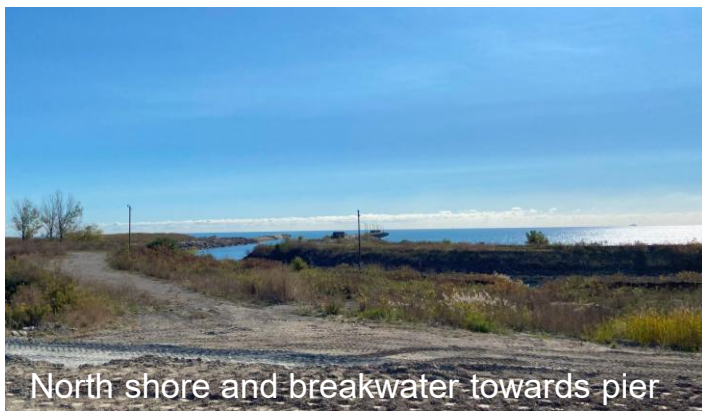
Intake channel headwall structures



Intake channel and north shore



Intake headwalls along north shore



North shore and breakwater towards pier

Existing intake channel condition with headwall structures and breakwater.

Alternative Solutions

Alternative solutions are different ways of addressing the opportunity:

- Option 1- Move the Waterfront Trail to the water's edge and connect it to the park spaces and trail links to the east and west.
- Option 2 – Keep the Waterfront Trail on Lakeshore Road East. (the 'Do Nothing' alternative)



Aerial plan illustrating the completion of the Waterfront Trail along the water's edge.

Preferred Option

Option 1 is most preferred for the following reasons:

- Park users seek the water's edge experience and will gravitate to that area regardless of where the trail exists.
- The entire site is being redeveloped so there is no negative impacts associated with trail construction.
- A dedicated multi-use trail along the water's edge reduces potential conflicts with vehicles (resulting from driveway and street crossings) associated with Lakeshore Road East.
- Trail and bridge connections will be an important active transportation facility and recreation amenity for the emerging new community and broader region.

Preliminary Trail Design

The Waterfront Trail has been designed to meet the City's multi-use trail design requirements, including:

- 6m total width from paving edge to paving edge, comprising a 3.5m wide asphalt cycle track and a 2.0m wide concrete pedestrian walkway, separated by a 0.5m transition.
- Generally, there will be a minimum 1.2m sod strip on either side of the trail.
- The trail is generally within minimum 15m of the water's edge, providing connections to the east and west and extending along the breakwater to link directly with the pier and across the proposed bridge to surrounding amenities, as well as JTLCA.

Preliminary Trail Design

- The Waterfront Trail will be lit in the evening and maintained through the winter months.
- The Waterfront Trail will be linked with other park trails and street bikeways to provide a comprehensive walking and cycling network throughout Lakeview Village.



Proposed bridge and surrounding amenity features.



Conceptual depiction of the Waterfront Trail design and approach to the bridge.

Shoreline Enhancements

Shoreline enhancements required to repair former industrial shoreline and introduce public amenities and features, including:

- Shoreline repair to fill in decommissioned outlets to provide stable base for boardwalk extension from the west.
- Minor repairs to inlet structures to support paddle sport (kayak, canoe, sup boards) launch facility.
- Terraced seating and steps ('social steps') leading to the water with pebble beach apron near the bridge and pier to soften the shoreline and provide access into the water.

Shoreline Enhancements

- Repair of approximately 500m of lake facing shoreline edge to meet modern engineering, regulatory flood and erosion protection standards.
- Public transient small craft marina with accessible connections onto the floating docks from the shoreline.
- Naturalized planting treatments.



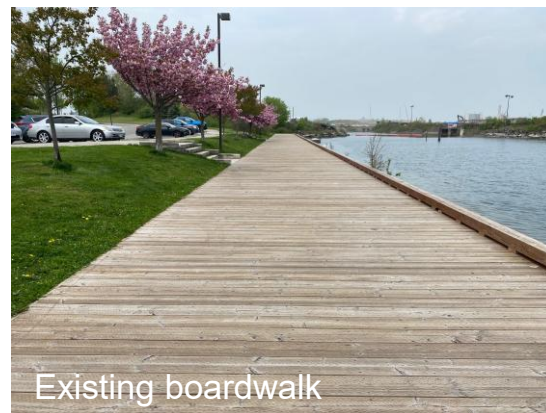
Lakeview Village
Waterfront Park shoreline
enhancement areas.

A



WEST BOARDWALK AND SHORELINE REPAIR

- Shoreline repair to fill-in decommissioned outlets and minor scalloped areas to provide stable base for boardwalk extension from the west.



Existing boardwalk



Decommissioned outlet

B

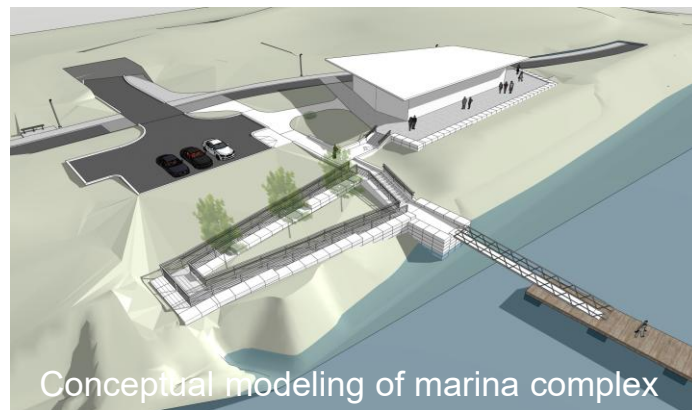


SMALL CRAFT BOAT TRANSIENT MARINA

- Minor repairs to shore edge to support accessible pedestrian links to the floating docks



Example of a marina with floating docks



Conceptual modeling of marina complex

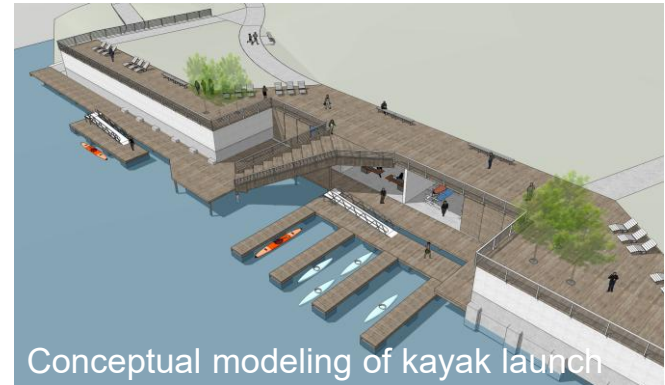


PADDLE SPORT LAUNCH

- Minor repairs to inlet structures to support paddle sport (kayak, canoe, sup boards) launch facility.

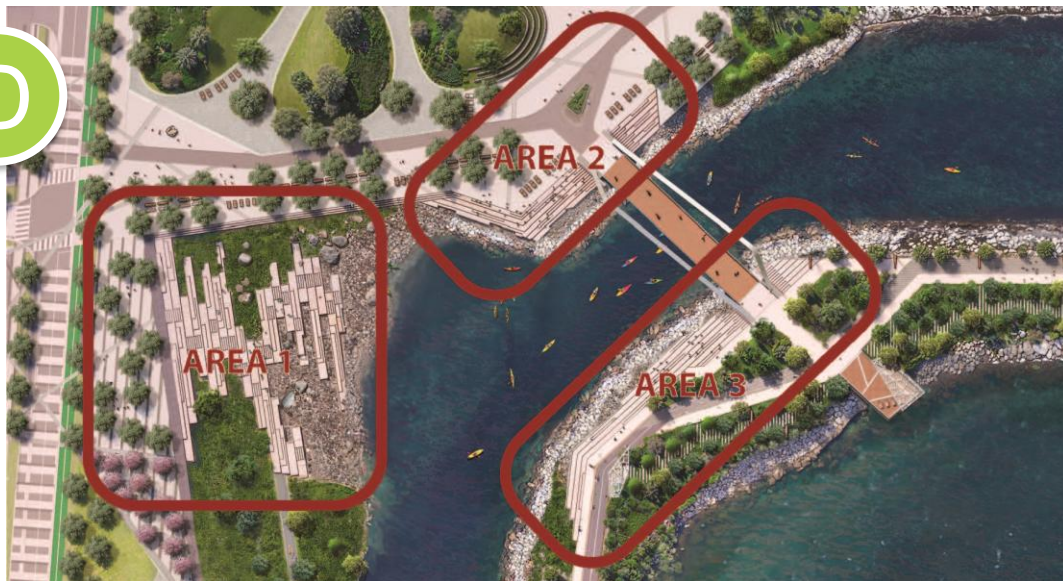


Existing shore of the launch location between headwall structures



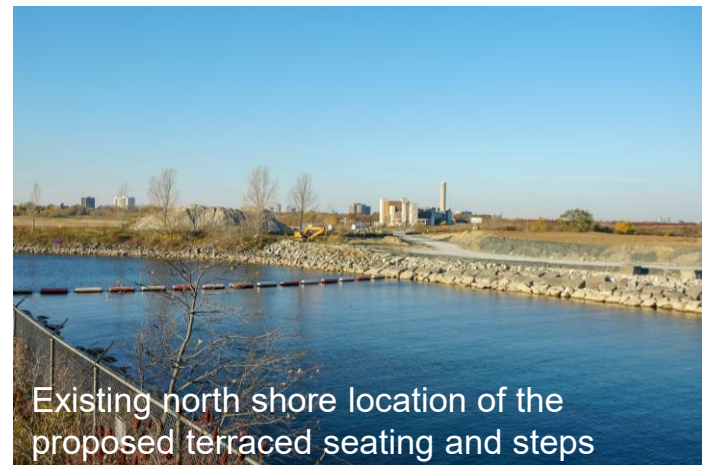
Conceptual modeling of kayak launch

D

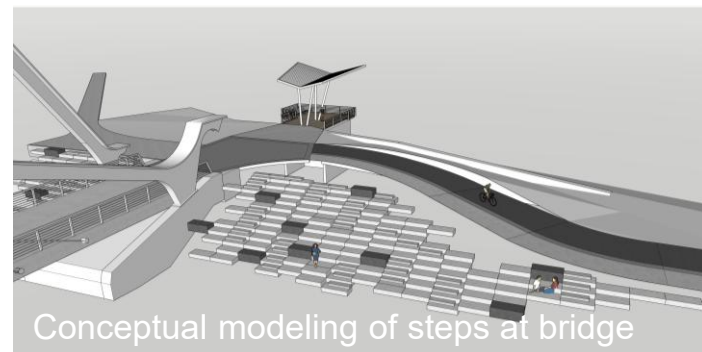


TERRACED SEATING AND STEPS (SOCIAL STEPS)

- Social steps with pebble beach apron in the vicinity of the bridge and pier to soften the shoreline and provide access into the water.



Existing north shore location of the proposed terraced seating and steps



Conceptual modeling of steps at bridge

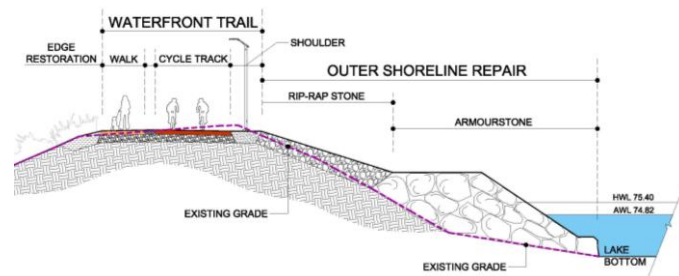


OUTER SHORELINE PROTECTION REPAIR

- Repair of approximately 500m of lake facing shoreline edge to meet modern engineering, regulatory flood and erosion protection standards.



Existing outer shoreline protection



Section of proposed shoreline repair

Pedestrian / Cycling Bridge

- The bridge will connect the Waterfront Trail along the breakwater with the pier and JTLCA to the east.
- The bridge will span the former intake channel at the narrowest crossing.
- The bridge is approximately 62m in length and provide a 6m wide travel surface.
- As a clear span bridge, it will not require mid-support piers and abutments can be constructed out of the water to minimize potential impacts to aquatic habitat.
- The bridge will be lit for evening use and maintained through the winter.



Conceptual depiction
of the pedestrian /
cycling bridge and
surroundings.

Construction

- All construction will predominantly occur from the land side. However, a barge may be used for some of the shoreline work.
- Modifications to the shore will generally occur above the average lake level and do not include changes to the lakebed or within the water.
- The bridge abutments will be constructed out of the water and the bridge will span the channel with no need for mid-support piers.
- Bridge construction is anticipated to be concurrent with site redevelopment and will represent a small percentage of construction traffic.
- New residences will not be occupied during the construction period and there is no public access, therefore, construction nuisance effects are negligible.

Consultation

- The City is consulting with the public, regulatory agencies and Indigenous communities.
- We'd like to hear from you. Please submit any comments or questions to:

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Next steps

- A meeting summary will be posted on the project webpage in a few weeks. It will summarize and respond to comments and questions.
- The project will be refined based on relevant comments and questions received.
- A Project File will be made available for a 30-day review period during the summer.
- Once comments arising from the 30-day review period are appropriately addressed, the City can proceed to detailed design and construction.
- Please ensure you are on the mailing list to receive notifications.

Thank you!

