

# Ontario Line

## East segment

## Land acknowledgement

Metrolinx wishes to recognize that it operates on the traditional territories of the Anishnabeg, the Haudenosaunee and the Wendat Peoples.

In particular, we acknowledge that the Ontario Line project takes place on Treaty 13 territory with the Mississaugas of the Credit First Nation.

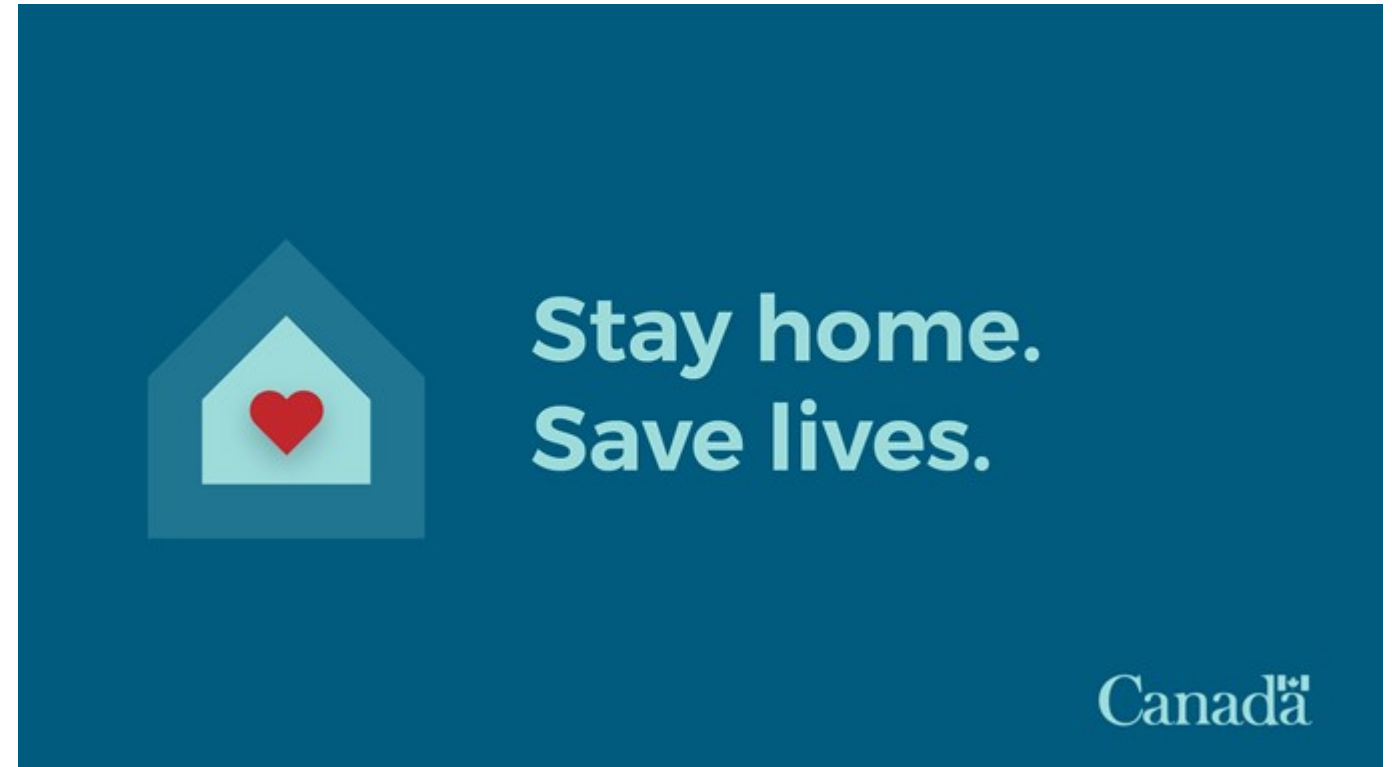
We acknowledge that Metrolinx operates on these lands and has a responsibility to work with the original keepers of this territory and the many diverse Indigenous Peoples living here today.

Metrolinx remains committed to engaging with Indigenous Peoples and Nations on the Ontario Line project.

## Safety moment

If you can, stay home  
to protect yourself  
and others.

Thank you to all  
essential workers!



## Introduction to panel



Richard  
Tucker

Ontario Line  
Project Director



Malcolm  
MacKay

Ontario Line  
Project Sponsor



Ranjit  
Multani

Manager,  
Property Team

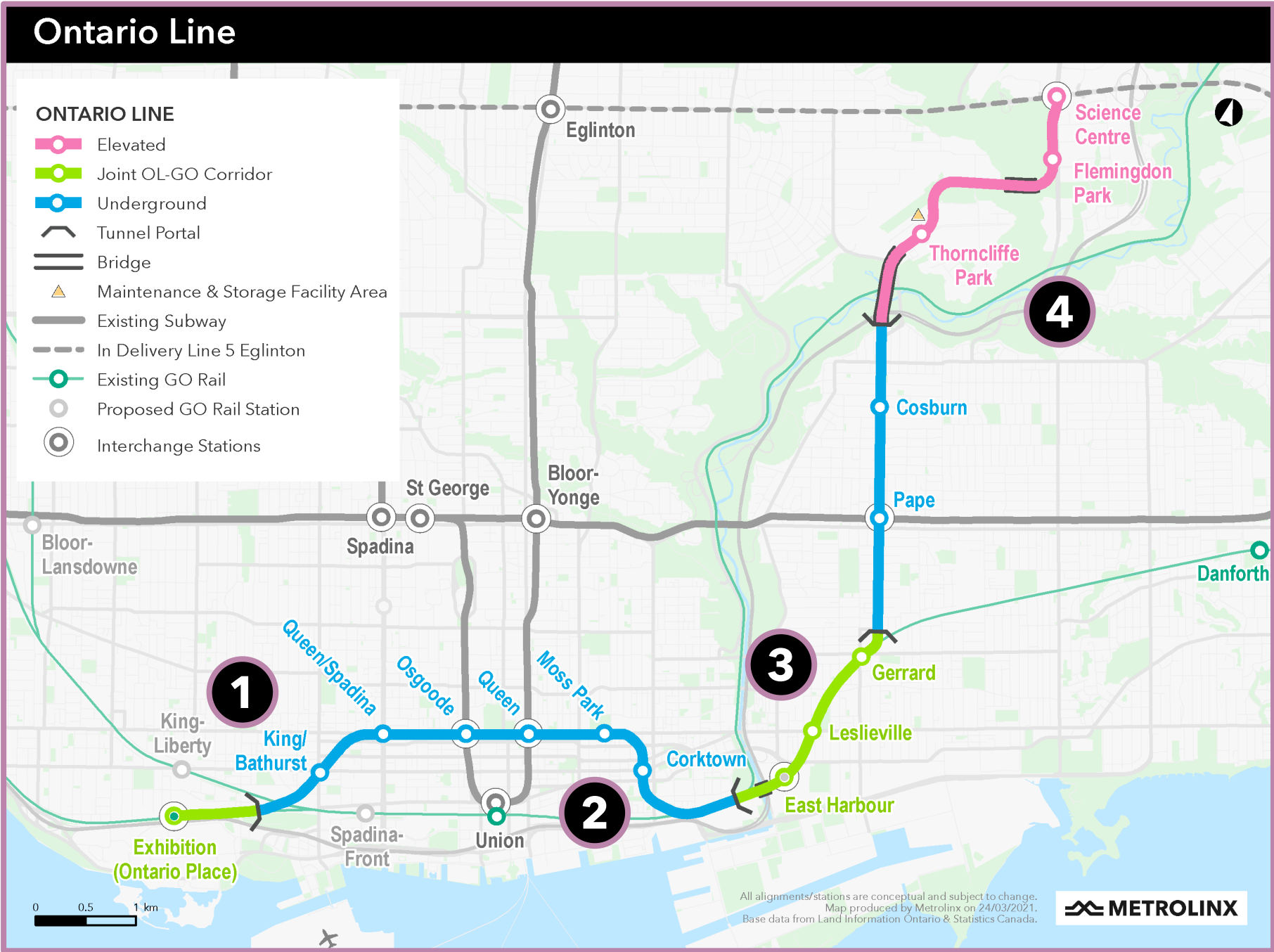


Carrie  
Sheaffer

Senior Manager  
Environmental  
Programs and  
Assessment



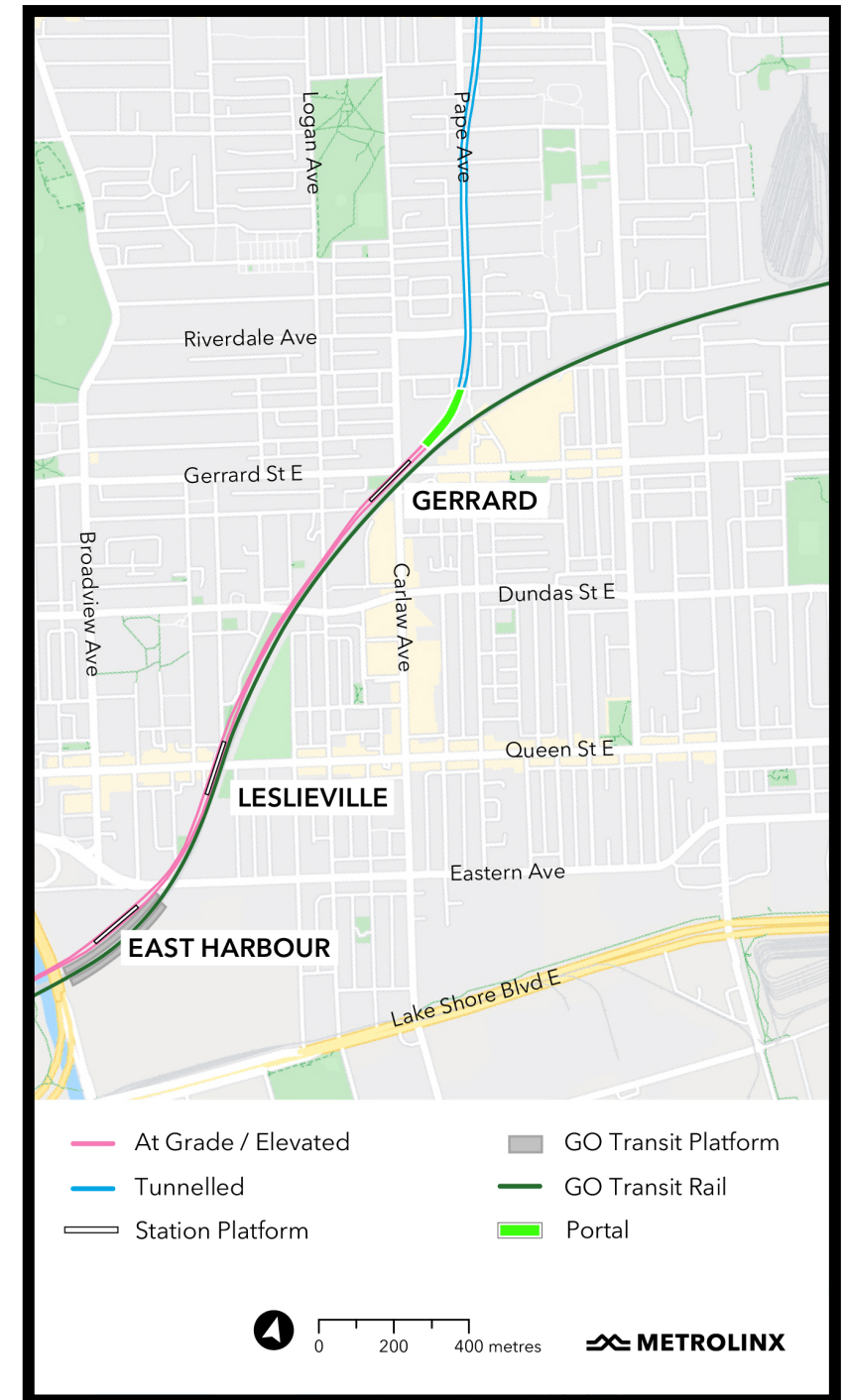
# The Ontario Line



- 1 West**  
(Exhibition to Queen/Spadina)
- 2 Downtown**  
(Osgoode to Don Yard)
- 3 East**  
(East Harbour to Pape South)
- 4 North**  
(Pape to Science Centre)

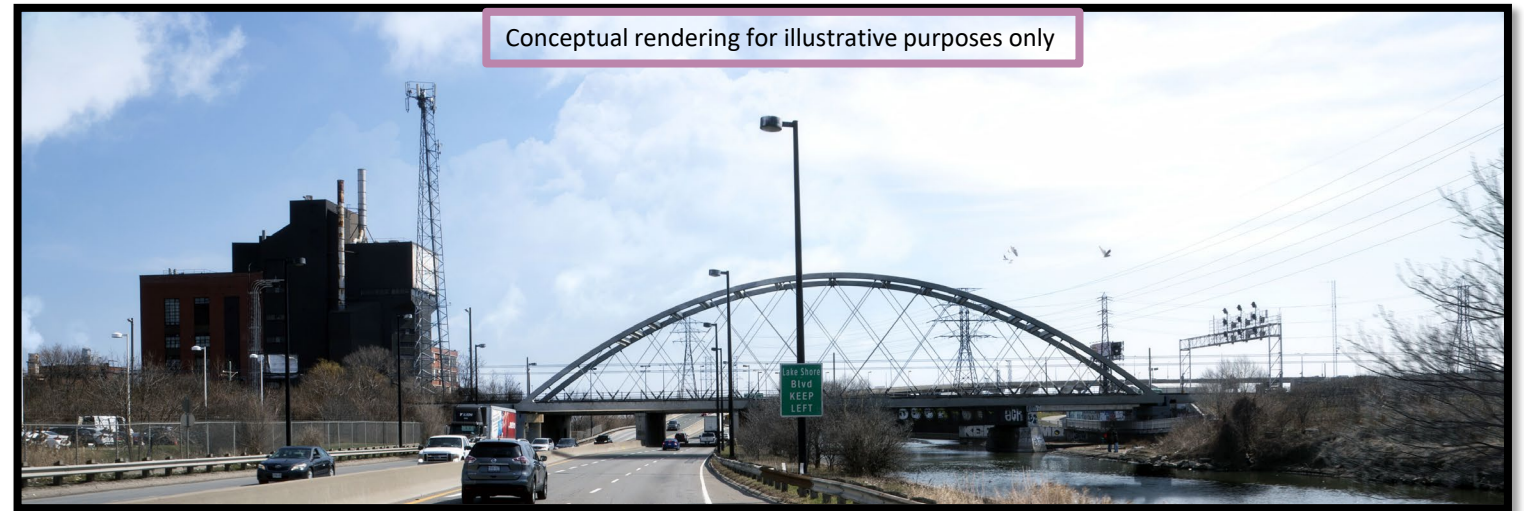
## East segment

- Leaving downtown, the Ontario Line runs within the existing rail corridor to stations serving:
  - East Harbour
  - Riverside and Leslieville
  - Gerrard and Carlaw.
- After Gerrard, the Ontario Line dips into a tunnel portal and turns north up Pape Avenue.



## Lower Don Bridge

- The Ontario Line will cross the Don Valley on a new bridge on the north side of existing GO bridge.
- Design work is ongoing, with a focus on:
  - coordinating with GO Expansion plans
  - improving connections for cyclists and pedestrians, and
  - minimizing environmental impacts.



### Lower Don Bridge / Don Yard Early Works



Draft early works environmental report released for 30-day public consultation – **Summer 2021**



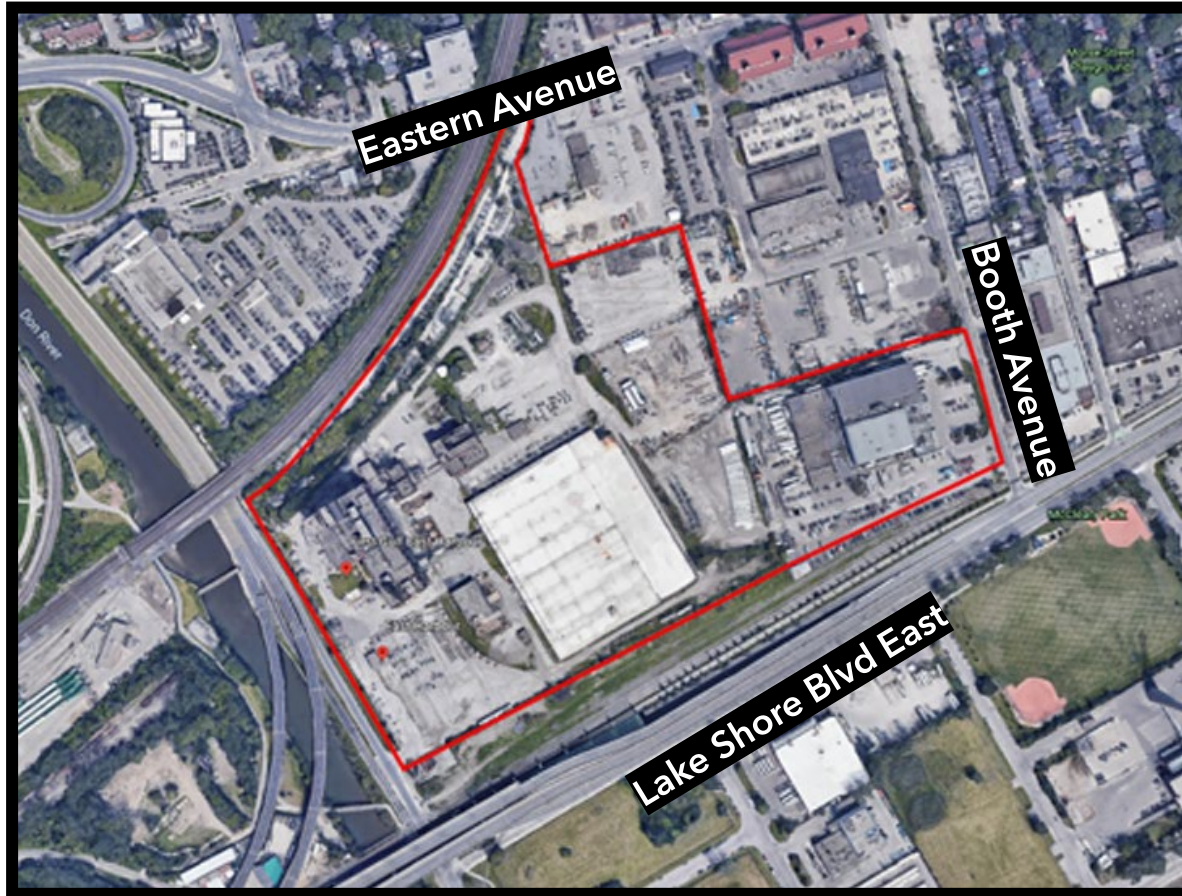
Construction Tender – **Fall 2021**



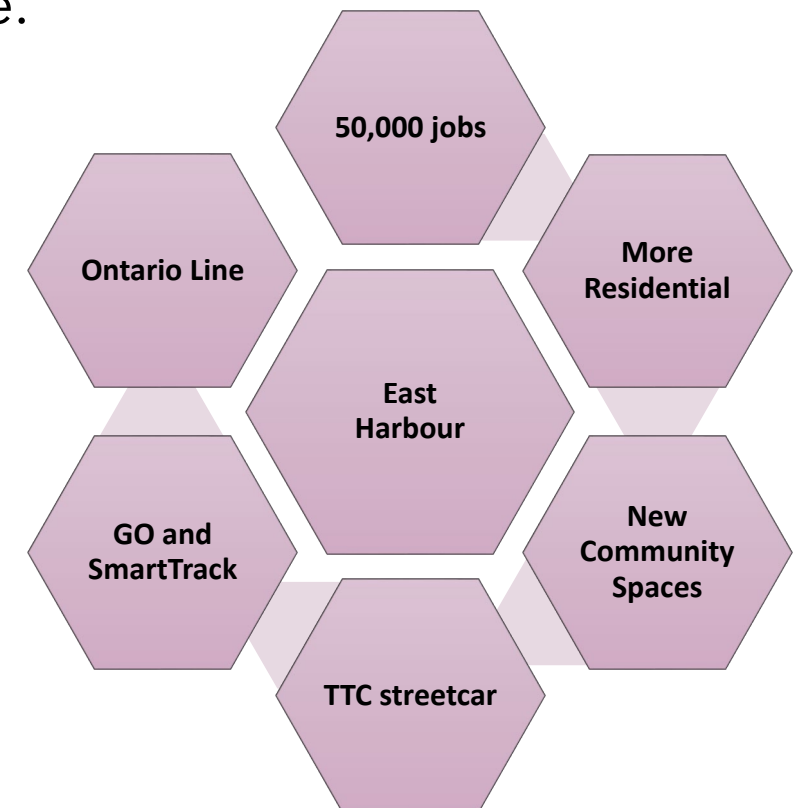
Construction Start – **Spring / Summer 2022**



## East Harbour



- A simple above-ground connection between GO trains and Ontario Line trains at East Harbour contributes to major crowding relief at Union, which will see up to 14,000 fewer people during the busiest travel times, thanks to the Ontario Line.
- Community input is a key component of the development and will begin in Summer 2021, led by the Province.



# Why Metrolinx is using the existing rail corridor instead of tunneling

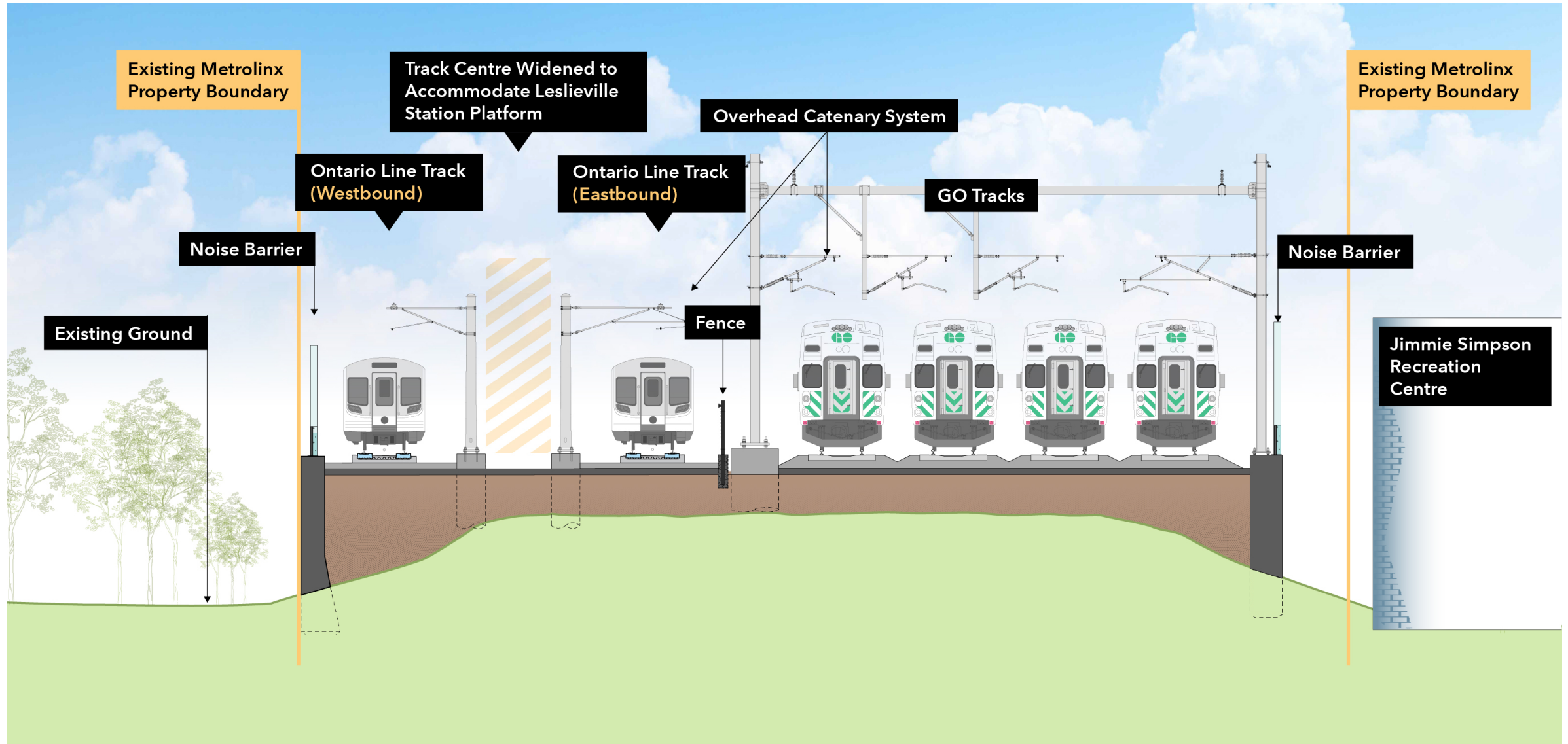
- When determining the Ontario Line's route and elevation, planners balanced considerations:
  - how many people could be served
  - how much travel time could be saved
  - how many connections could be made to other major rapid transit lines
  - how quickly and effectively the line could be built
  - how effectively any local impacts could be managed, and
  - how to ensure the best possible use of taxpayer dollars.
- For the sections that run on or above the ground, we know we can significantly cut down on property impacts, introduce effective, well tested noise and vibration solutions, and build best-in-class infrastructure that is safe, attractive and designed with communities in mind.



## Combining GO Expansion and Ontario Line work

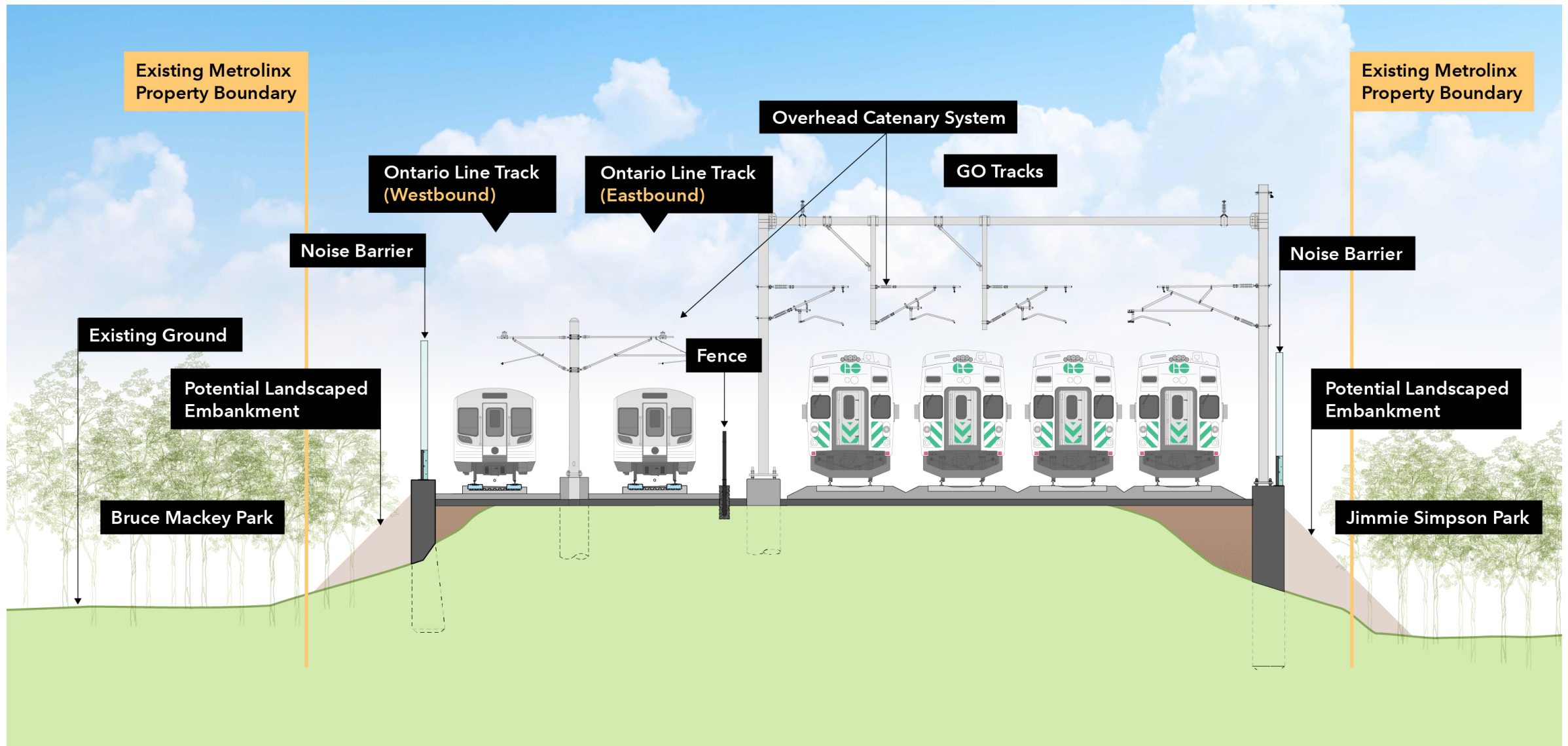
- Previously announced work to add a fourth GO track in the shared rail corridor will be coordinated with Ontario Line work to avoid impacting the community twice.
- GO Expansion plans included many of the same activities required for the Ontario Line, such as:
  - Removing in-corridor vegetation
  - Corridor grading
  - Relocating or protecting of utilities
- As a result of the Ontario Line project, a commitment was made to install continuous retaining and noise walls in the shared rail corridor to protect the community from the sights and sounds of all rail traffic.

# Corridor cross section of station north of Queen Street



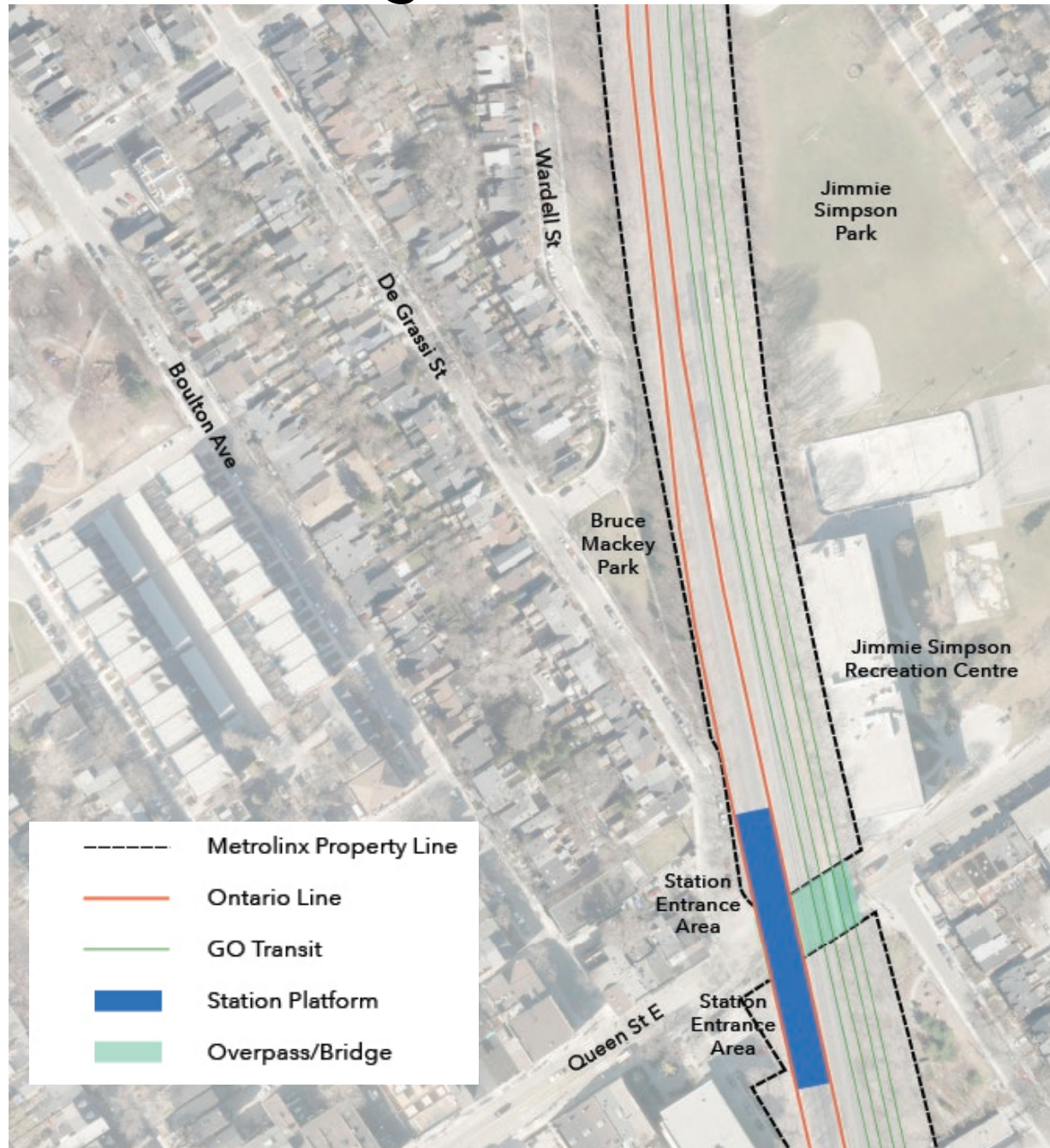


## Corridor cross section in the middle of Jimmie Simpson / Bruce Mackey Parks





## What are the benefits of having both Ontario Line tracks on the west side through the corridor?



- ✓ Slim down station infrastructure
- ✓ Reduce station impacts on park space
- ✓ Better customer experience

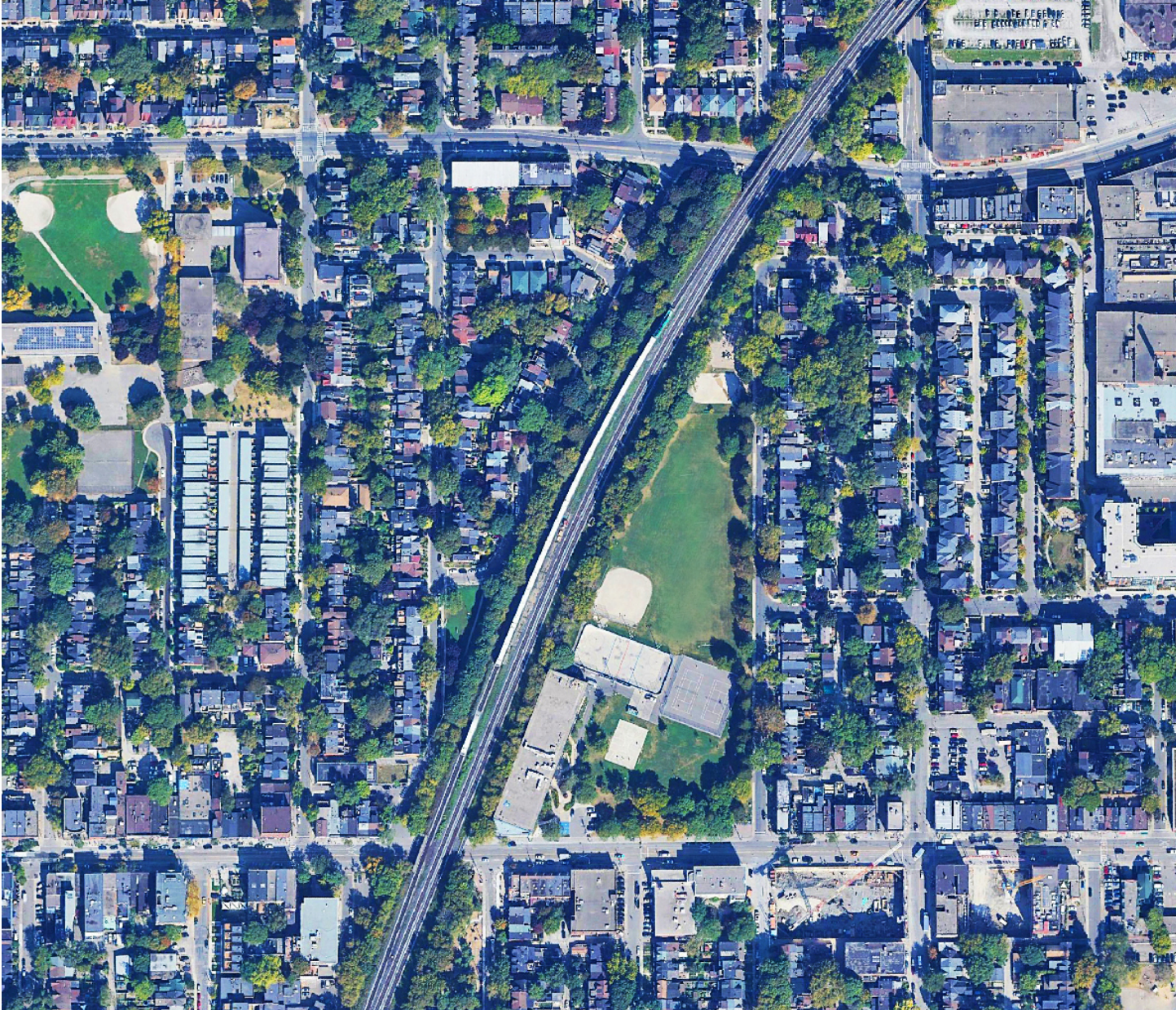
## When will I know if my property is impacted?



- If we confirm your property is needed, you will receive written notification from us. Metrolinx strives to communicate with property owners early and often so that there is ample time to work through solutions.
- Our preferred approach is direct, one-on-one negotiations with owners, with the goal of reaching amicable agreements.
  - Expropriation is a backstop tool. Even when expropriation is initiated, Metrolinx continues to negotiate with owners in the hopes of reaching agreements.
- Whether we have to acquire a portion of a property or the entire property, the property owner will be compensated at fair market value, and our commitment is to ensure that owners and tenants do not experience a financial loss.



# How will parks and trees along the rail corridor be protected?



- As a first step, we look to avoid impacts
- Ensuring continued and safe access to park spaces is a top priority
- We will protect as many mature trees as possible

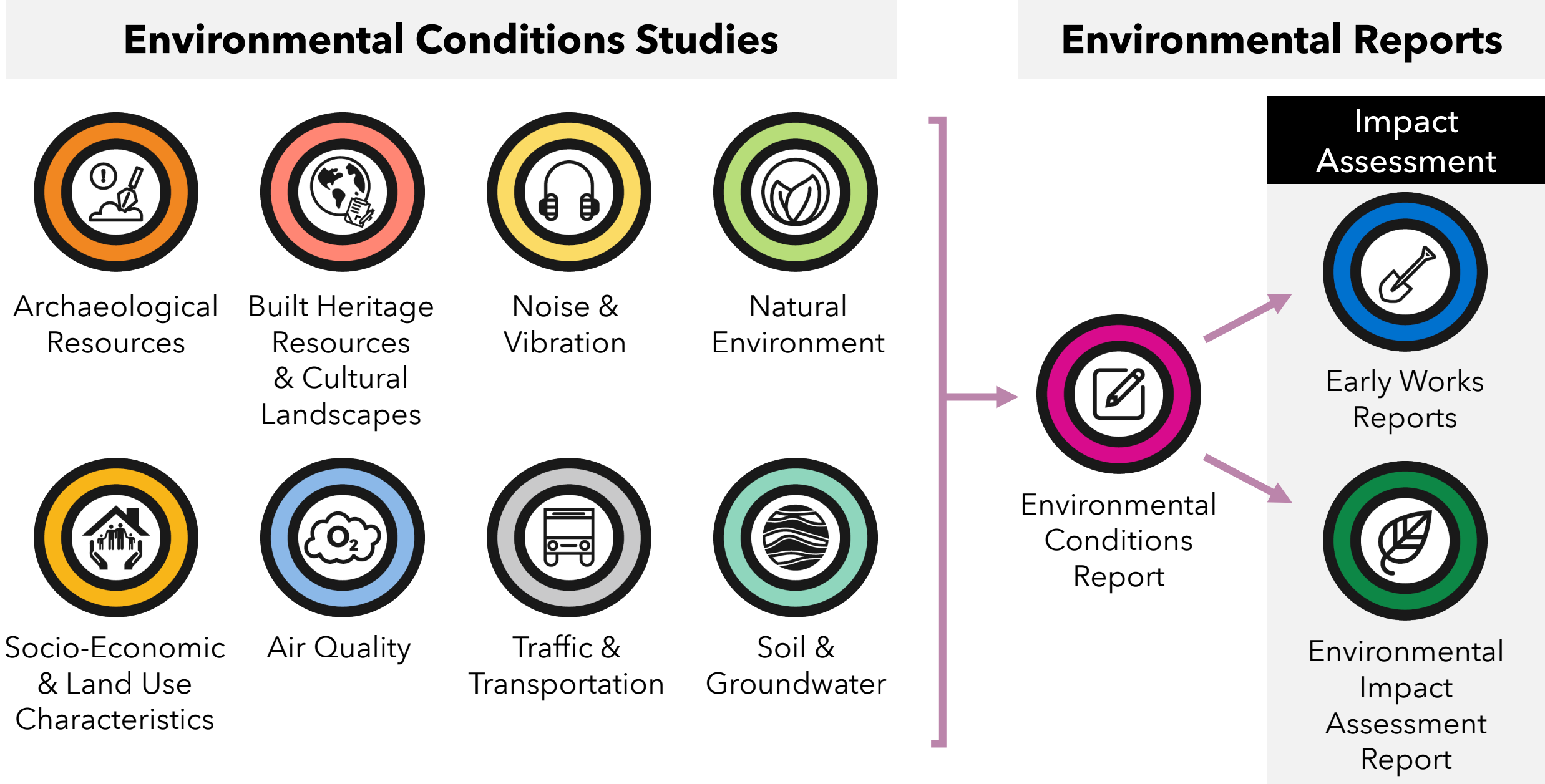


**1:3**

Compensation  
requirements dictated  
by City by-laws




# How Metrolinx will analyze anticipated impacts



# When will all the impacts from the Ontario Line be identified?


## 1. Lakeshore East Joint Corridor Early Works Report

 Draft early works environmental report released for 30-day public consultation – **Fall 2021**

 Construction Tender – **early 2022**

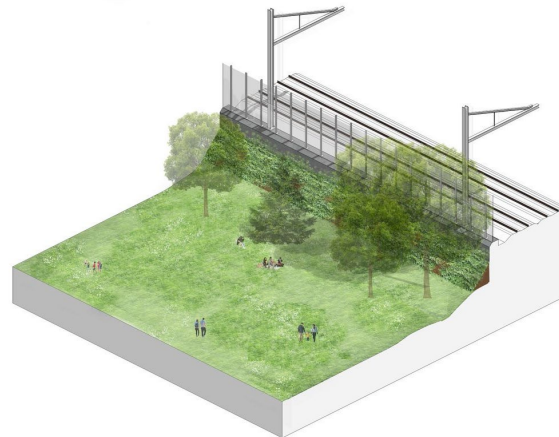
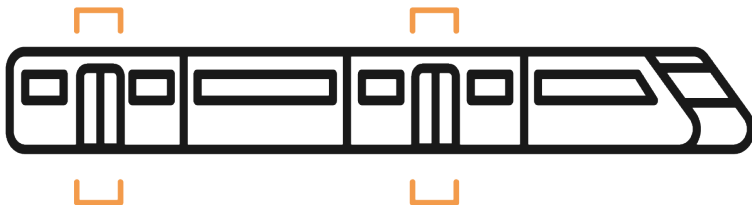
 Construction Start – **Summer 2022**

## 2. Environmental Impact Assessment Report







 Draft report released for 30-day public consultation – **early 2022**

## What is being done to address noise and vibration?

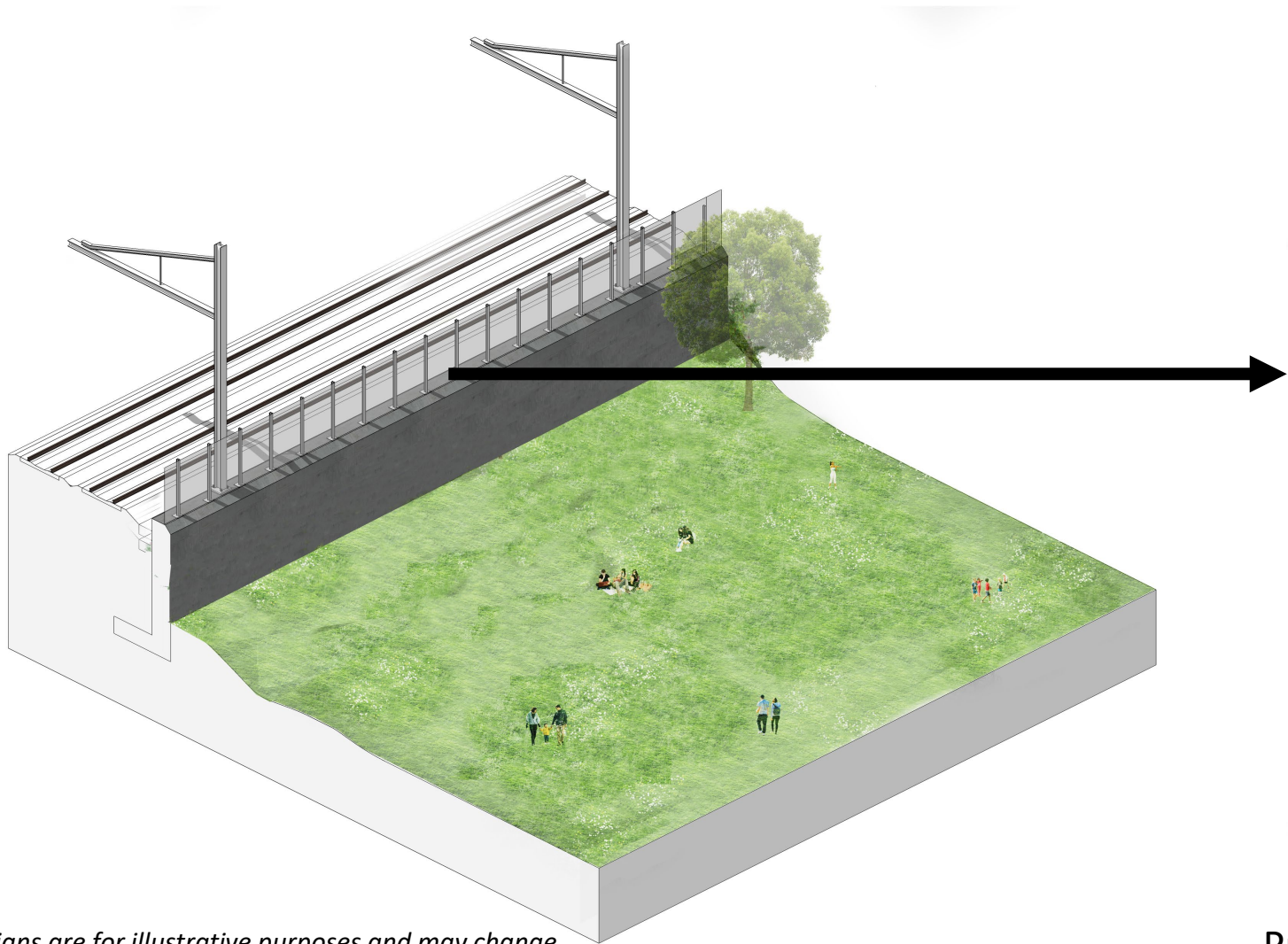
- We'll achieve these long-awaited improvements by procuring **quiet, automated Ontario Line trains** with reduced noise from braking, electrifying GO trains that run in the joint rail corridor, installing effective and well-designed **noise barriers** and using other proven solutions such as **continuously welded rail**. This will significantly reduce noise and vibration impacts not only from the Ontario Line but from the existing GO and VIA trains that currently use the corridor.
- Early noise study results show that these solutions will make the sound of every passing train lower than today, and **the average noise levels throughout the day and night will be lower than they currently are at many locations along the joint corridor.**
- The findings of this study will be included in the draft Joint Corridor Early Works Report that we will release for public review and comment in the fall. We will aim to release the results of the noise study even sooner.



# What are our design priorities?

	<p><b>RAIL AND ENVIRONMENTAL SAFETY</b></p>		<p><b>TREE PROTECTION AND REPLANTING</b> <b>LOW MAINTENANCE VEGETATION</b></p>
	<p><b>ENHANCING UNIQUE CHARACTER</b> <b>OF THE NEIGHBOURHOOD</b></p>		<p><b>PLANTING NEW TREES EARLY</b></p>
	<p><b>ENHANCING USE OF OPEN SPACE</b></p>		<p><b>MINIMIZING THE VISUAL IMPACTS OF</b> <b>NOISE AND RETAINING WALLS</b></p>

# Retaining & noise wall design enhancements

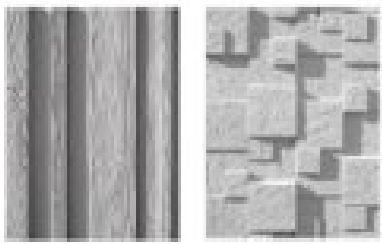
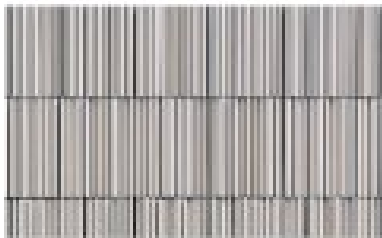


## MATERIALS WE ARE CONSIDERING

ACRYLIC NOISE  
WALL WITH ANTI-  
GRAFITTI COATING



PATTERNED  
CONCRETE  
RETAINING WALL

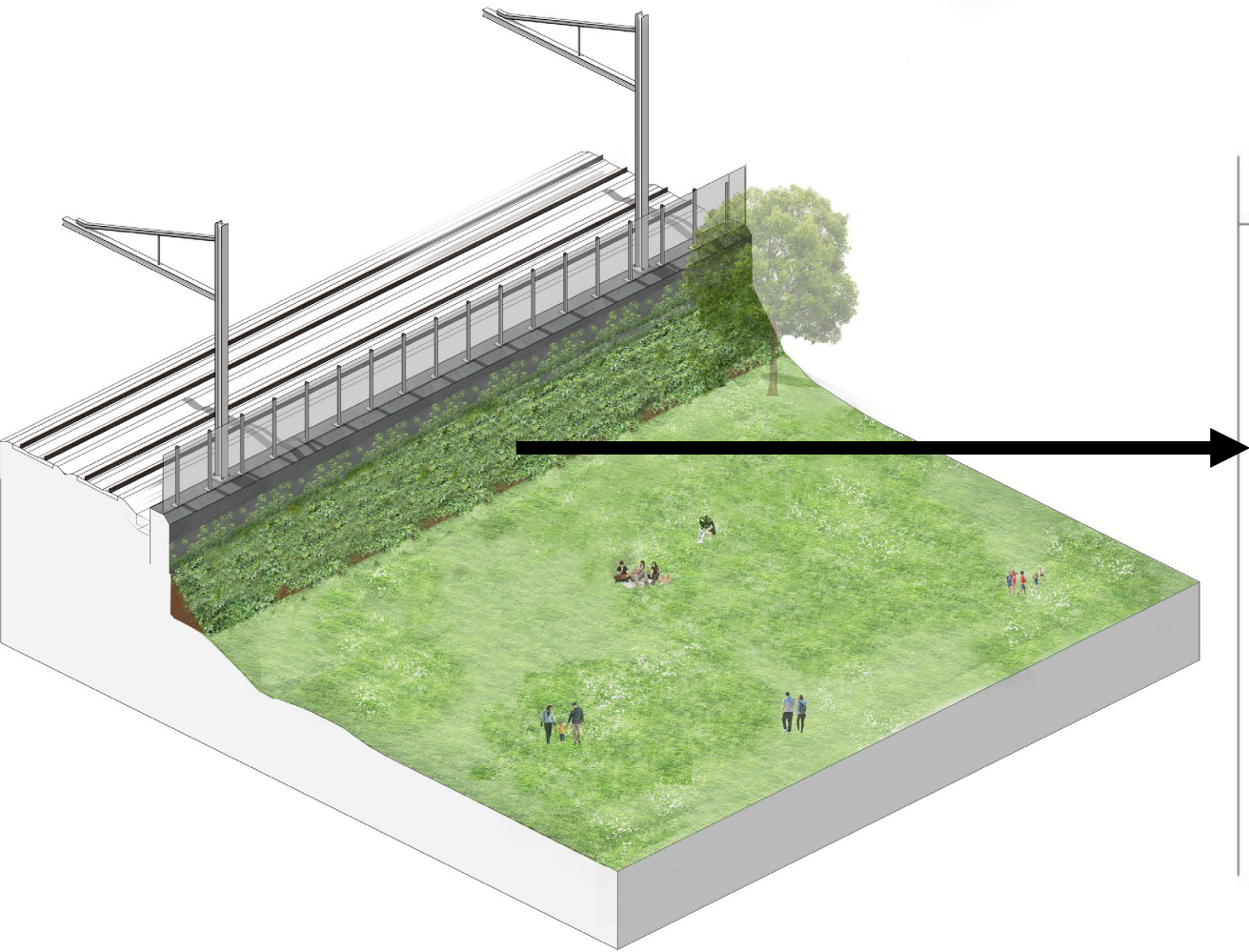


*Designs are for illustrative purposes and may change through further reviews, including ongoing environmental and feasibility studies.*





Public engagement on retaining and noise wall design concepts will begin in late Spring/early Summer 2021.



# Vegetated slopes to blend walls in with parks

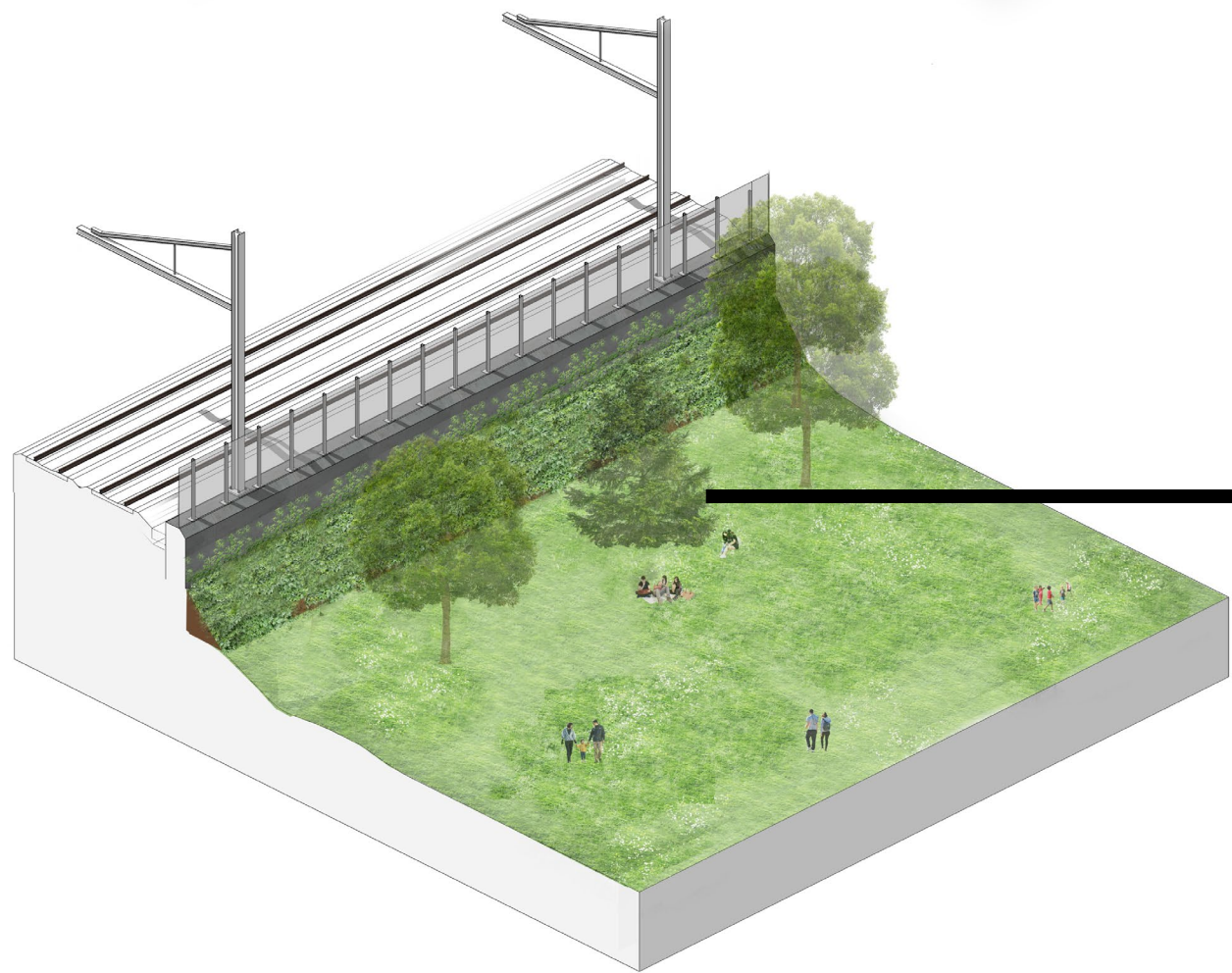


## MATERIALS WE ARE CONSIDERING

EMBANKMENT	VERTICAL WALL
	
	

*Designs are for illustrative purposes and may change through further reviews, including ongoing environmental and feasibility studies.*

# Tree layering (adding to protected existing trees)



## MATERIALS WE ARE CONSIDERING

### TREE PLANTING

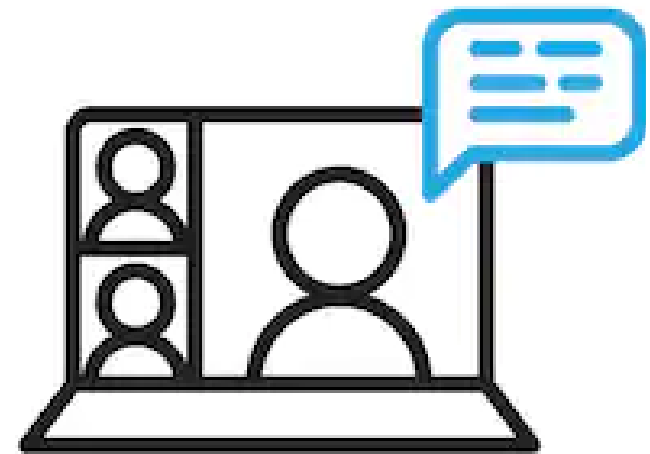


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## What's next?

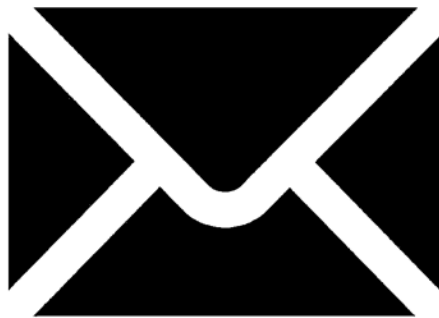
- Metrolinx will be continuing the community dialogue with a monthly virtual open house, sharing the latest designs and early study results, seeking community feedback, and addressing questions in advance of the release of the Early Works Environmental Assessment Draft Report in the fall.
- Registration details will be posted soon.



## Contact us

Your feedback is vital in helping us to move the Ontario Line forward in a way that strengthens the community. We are grateful for your input.

To stay up to date on upcoming virtual events and the latest Ontario Line news, sign up for our e-newsletter at [Metrolinx.com/OntarioLine](https://metrolinx.com/OntarioLine).



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