

Welcome

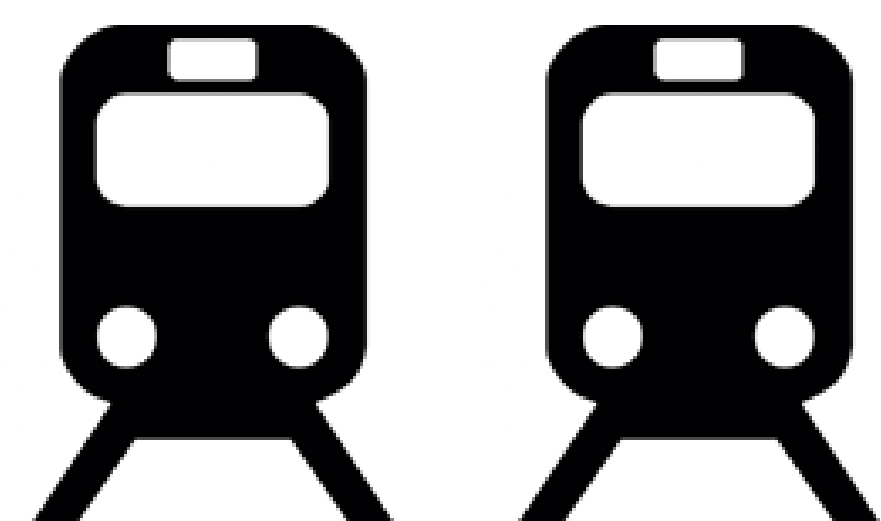
West Toronto Transmission Line Relocation Project Community Open House #1

Why we are here:

- Present project need
- Introduce underground route alternatives and associated junctions
- Discuss the route selection process
- Listen to feedback and present next steps

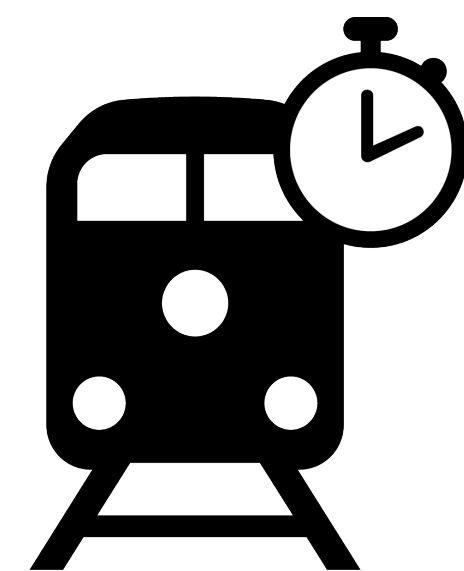


The Right Investment at the Right Time GO Rail Expansion will enable:



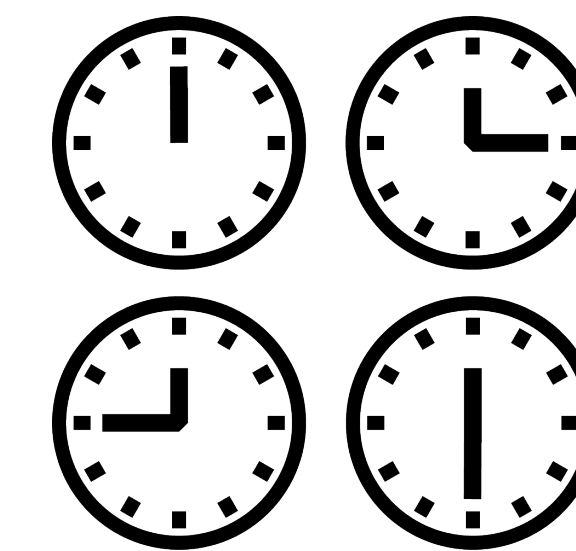
MORE TRIPS

6000 weekly trips
2x as many rush-hour options. **3x** as many off-peak options



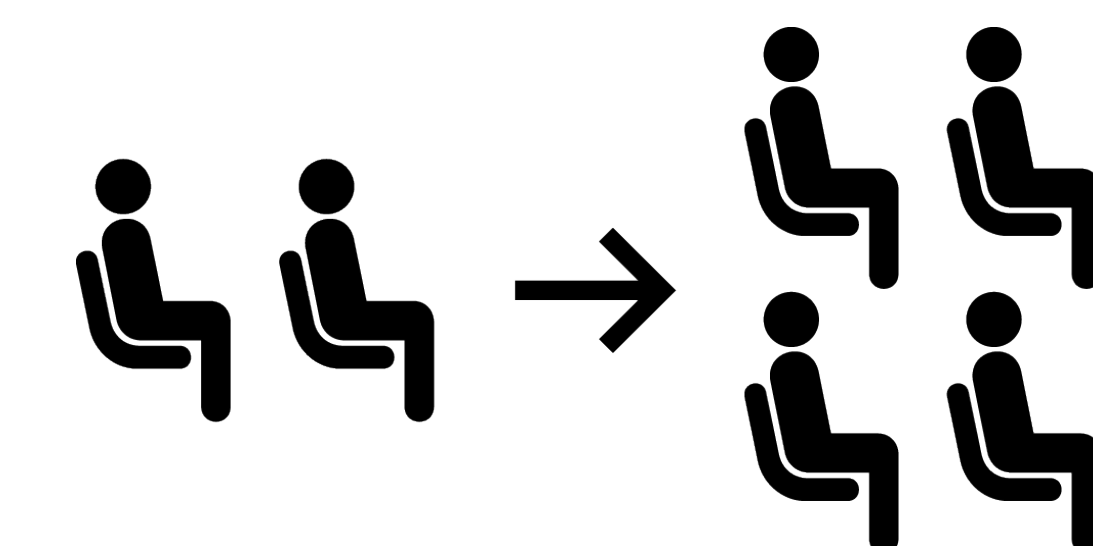
FASTER TRAVEL

Electric trains **accelerate and decelerate faster**.
Introduction of **additional express** services



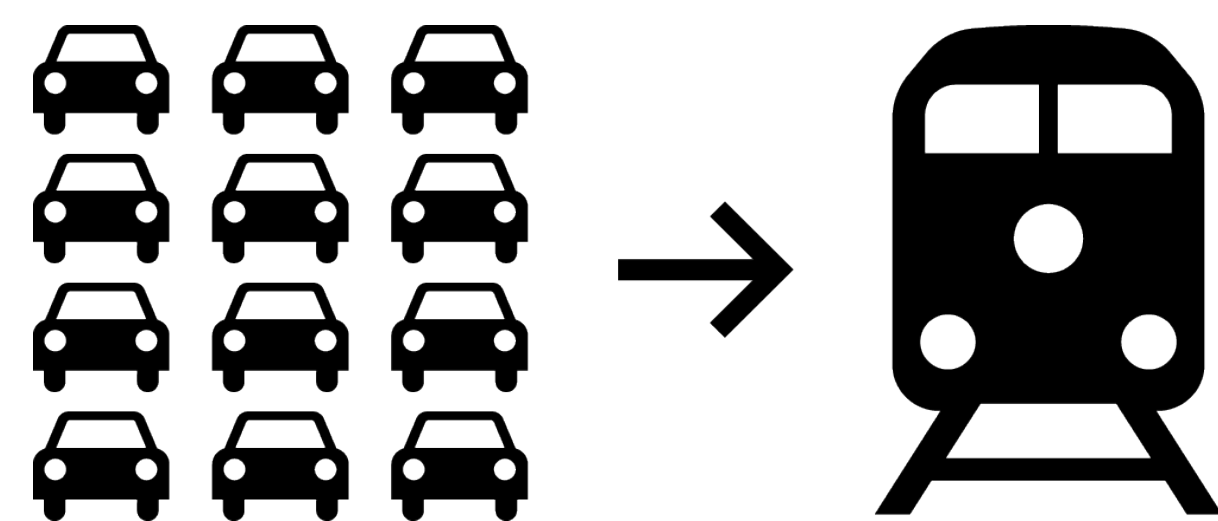
HIGH FREQUENCY

No need to check a schedule with service **every 15 minutes** or better, in both directions, all day



MORE CAPACITY

Doubling regional commuter capacity equivalent to **nine highways the size of the 401**



REDUCED CONGESTION

More trains = reduced congestion across the **region, taking close to 145,000 car trips per day, off the road**



CREATE JOBS

An estimated **8,300 annual jobs** created for the first 12 years of delivery will be created over the lifecycle of the program



SAVES TAXPAYERS MONEY

All operating costs covered with fare box revenue. **GO Rail revenues will exceed 110%** of operating costs over the next 60 years



INCREASED RIDERSHIP

More options and faster trains will increase peak and off peak service. **By 2055, annual ridership will exceed 200 million**

GO Rail Network Electrification

Service Types

- Metrolinx has approved plans to electrify the rail lines it currently owns, including the Barrie Rail Corridor
- According to the service plan, some locations will be served almost entirely by electric trains, some by a mix of electric and diesel trains



Metrolinx Projects along the Barrie Rail Corridor

Barrie Double Track Enabling Works

- The Project includes modifications and upgrades to the existing rail corridor (vegetation removal, noise walls), that will accommodate the electrification of the corridor and a second set of tracks to be installed in the future
- Will be constructed between 2020 and 2024

Davenport Diamond Grade Separation

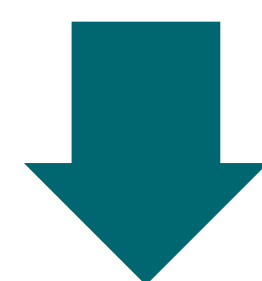
- The Davenport Diamond Grade Separation project will prepare and complete the construction of an elevated twin-track guideway between Bloor Street and Davenport Road, west of Lansdowne Avenue, eliminating at-grade crossings, including the busy CP Rail intersection near Dupont Street
- This project will be completed by 2024

Caledonia GO Station

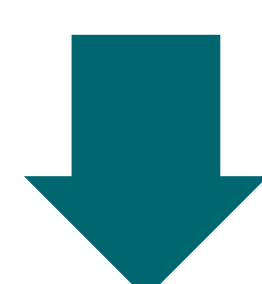
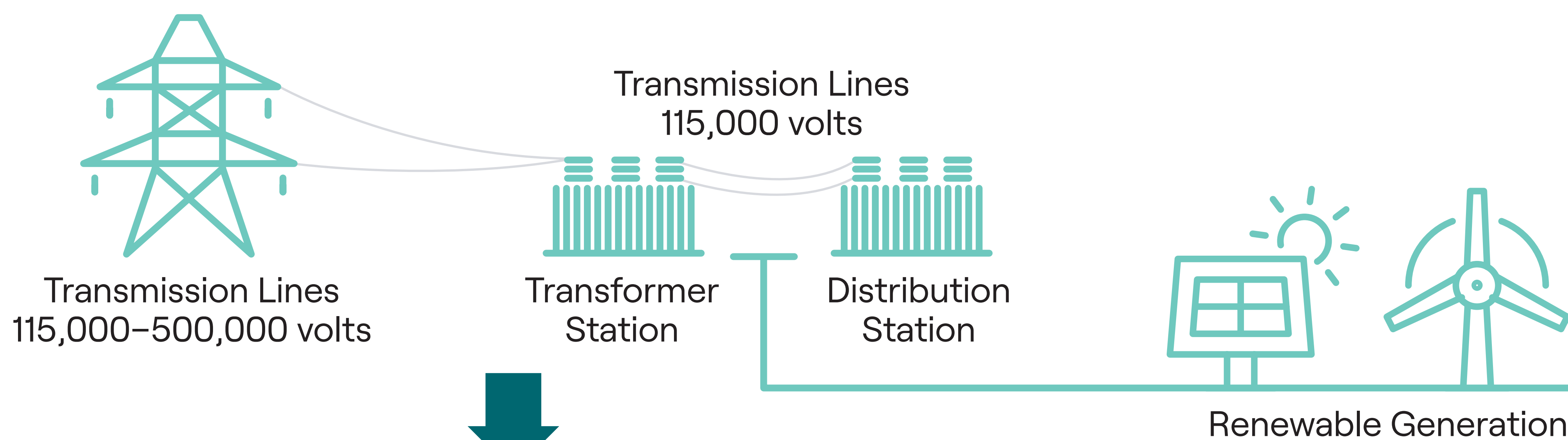
- Construction estimated to begin 2023 and will take approximately two years to complete

We Keep the Lights On

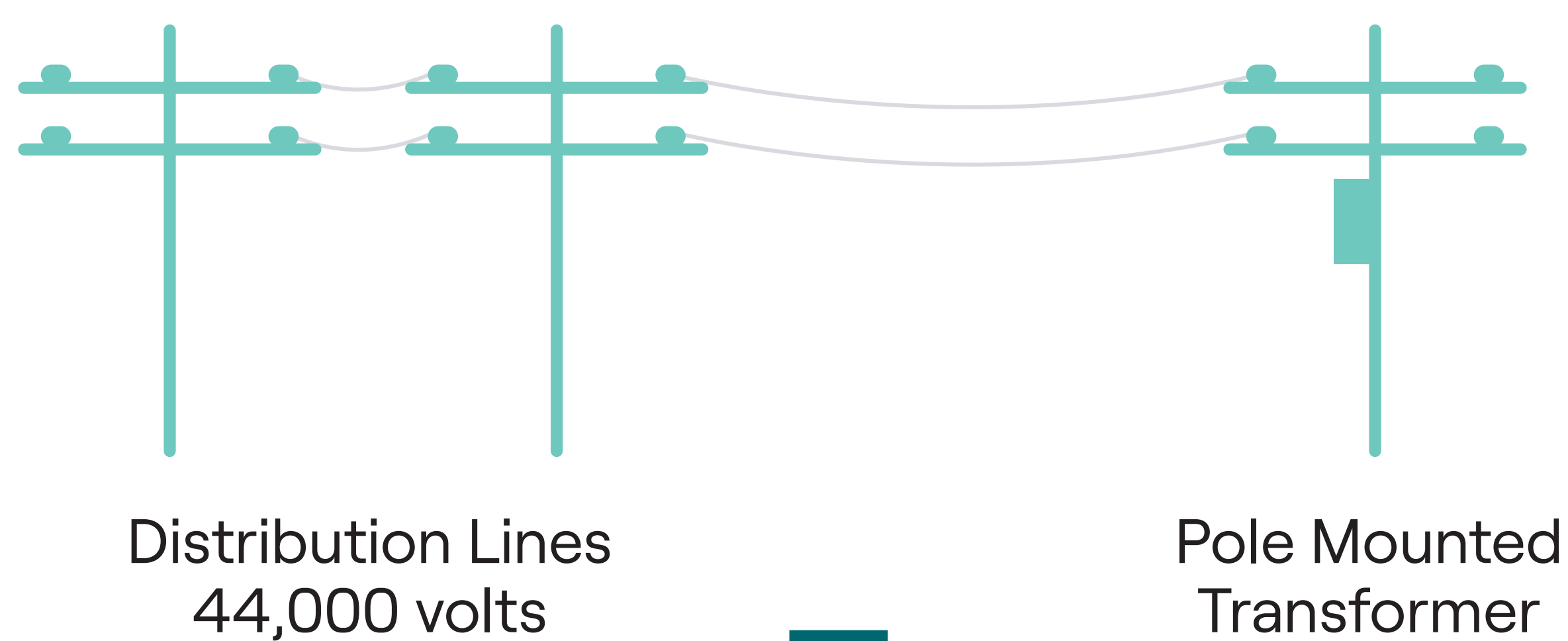
Ontario Power Generation and Private Generation Companies



Hydro One or Licensed Transmitter



Toronto Hydro



Home Wiring
120–240 volts

We energize life for people and communities, helping Ontarians live a better and brighter future.

In your community, we distribute power to Toronto Hydro, to help keep the lights on for homes and business each day.

Project Need

- Hydro One is supporting Metrolinx's GO Expansion program, which will bring more service with faster trains, more stations and seamless connections to a regional rapid transit network
- Metrolinx and Hydro One have identified areas where the proposed railway expansion will conflict with existing overhead power lines along a portion of the Barrie Rail corridor between St. Clair Ave West and Bowie Ave
- Hydro One is beginning the West Toronto Transmission Relocation Project to relocate these important transmission lines



Route Evaluation and Selection Study

- We have begun a Route Evaluation and Selection Study to identify a preferred route to relocate these overhead lines
- Three feasible underground route alternatives and associated new junctions have now been identified and will be evaluated along with different construction methodologies
- Gathering feedback from Indigenous communities, community members, and stakeholders is an important part of this process



Route Alternatives



West Toronto Transmission Line Relocation Project

Underground Route Alternatives

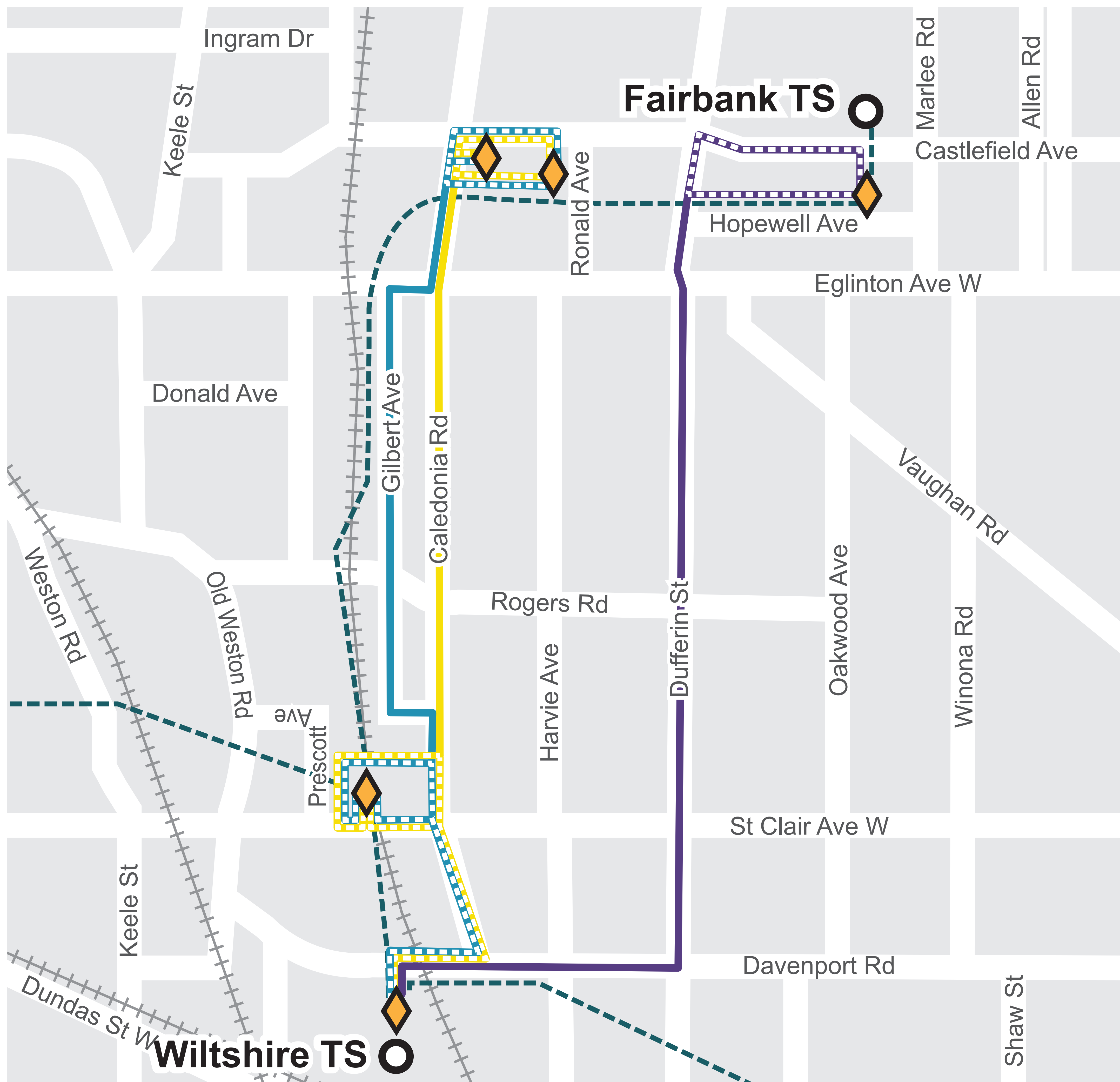
- Gilbert Ave Route
- Caledonia Rd Route
- Dufferin St Route

Junction Connection Alternatives

- - - Gilbert Ave Route
- - - Caledonia Rd Route
- - - Dufferin St Route
- ◆ Junction Alternative

Map Legend

- Transmission Station
- - - Existing Overhead Transmission Line
- + + + + Railway



Construction Methods Being Evaluated

For each of the alternate routes, Hydro One is considering a combination of the following construction methodologies as part of the evaluation:

Open Cut Trenching

Would involve the excavation of roadways to install cable ducts beneath the surface to house the new cable. Excavation would be completed in rolling sections.



Example of open cut trenching

Trenchless Construction

Trenchless construction includes methods that require minimal ground excavation under congested intersections, roadways and sites. Examples of trenchless construction includes, but is not limited to, directional drilling or microtunneling.



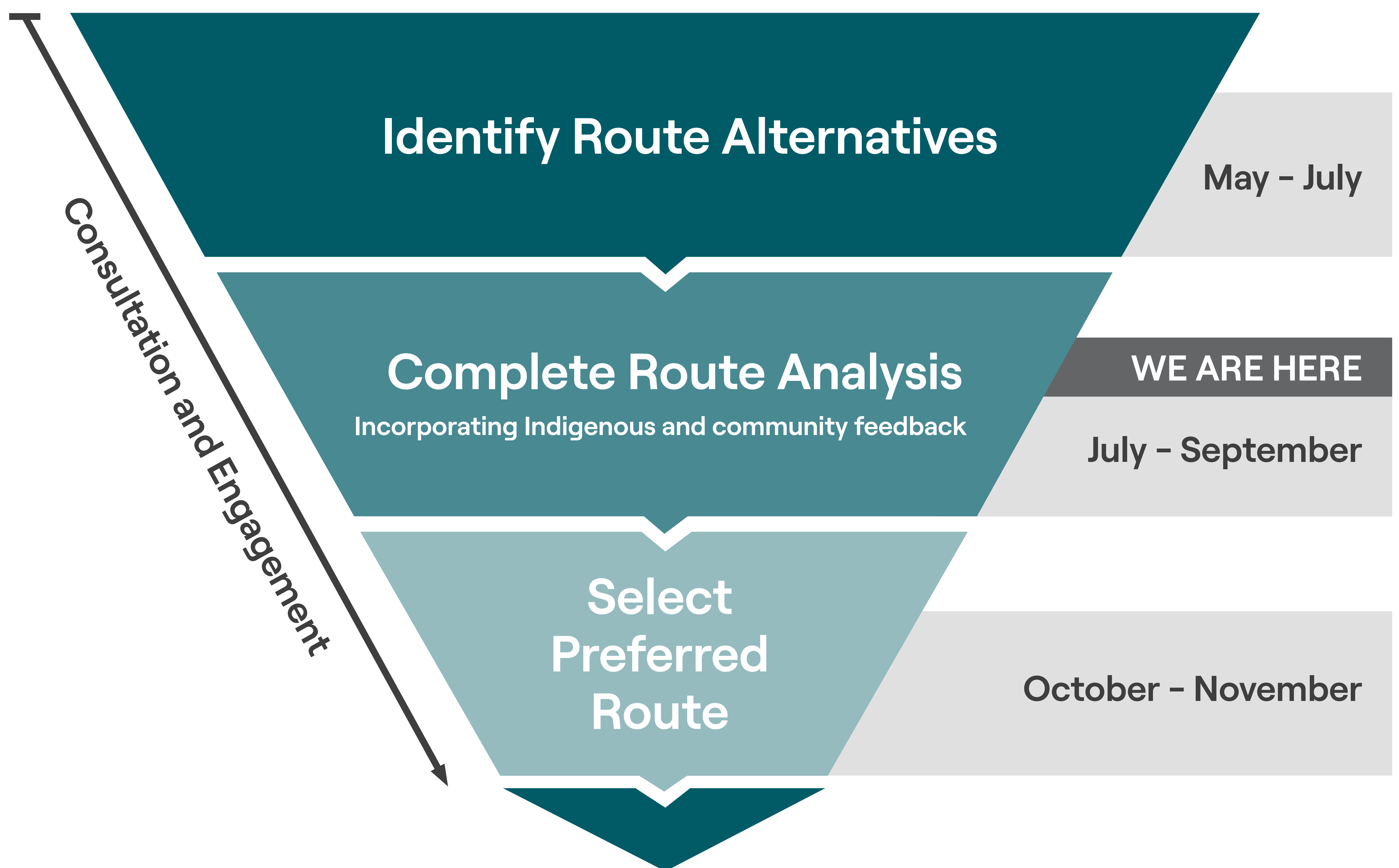
Example of directional drilling

Junctions

- New junction stations will be required at the end point of each route alternative to facilitate the transition from overhead to underground lines
- Final junction locations will be determined based on the preferred route selected through the evaluation process
- The exterior of the station will be enclosed with a fence or wall, the design of which will incorporate community input



Route Selection Process





Environmental Studies

The following studies are being undertaken to document baseline conditions and identify potential impacts associated with each route alternative:



Stage 1 Archaeological Assessment



Cultural Heritage Screening Assessment



Natural Heritage Assessment



Land Use & Socio-Economic Assessment



Traffic Assessment



Visual Assessment



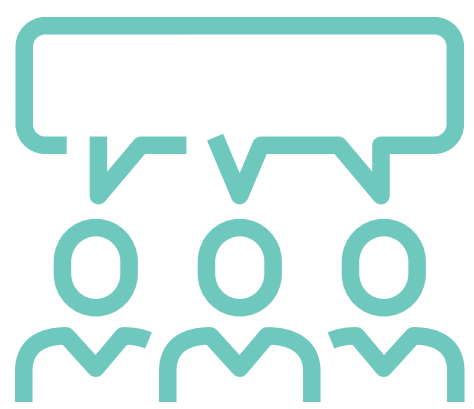
Construction Noise/Vibration Assessment

Community Engagement



We are committed to engaging with the community throughout each stage of the project by:

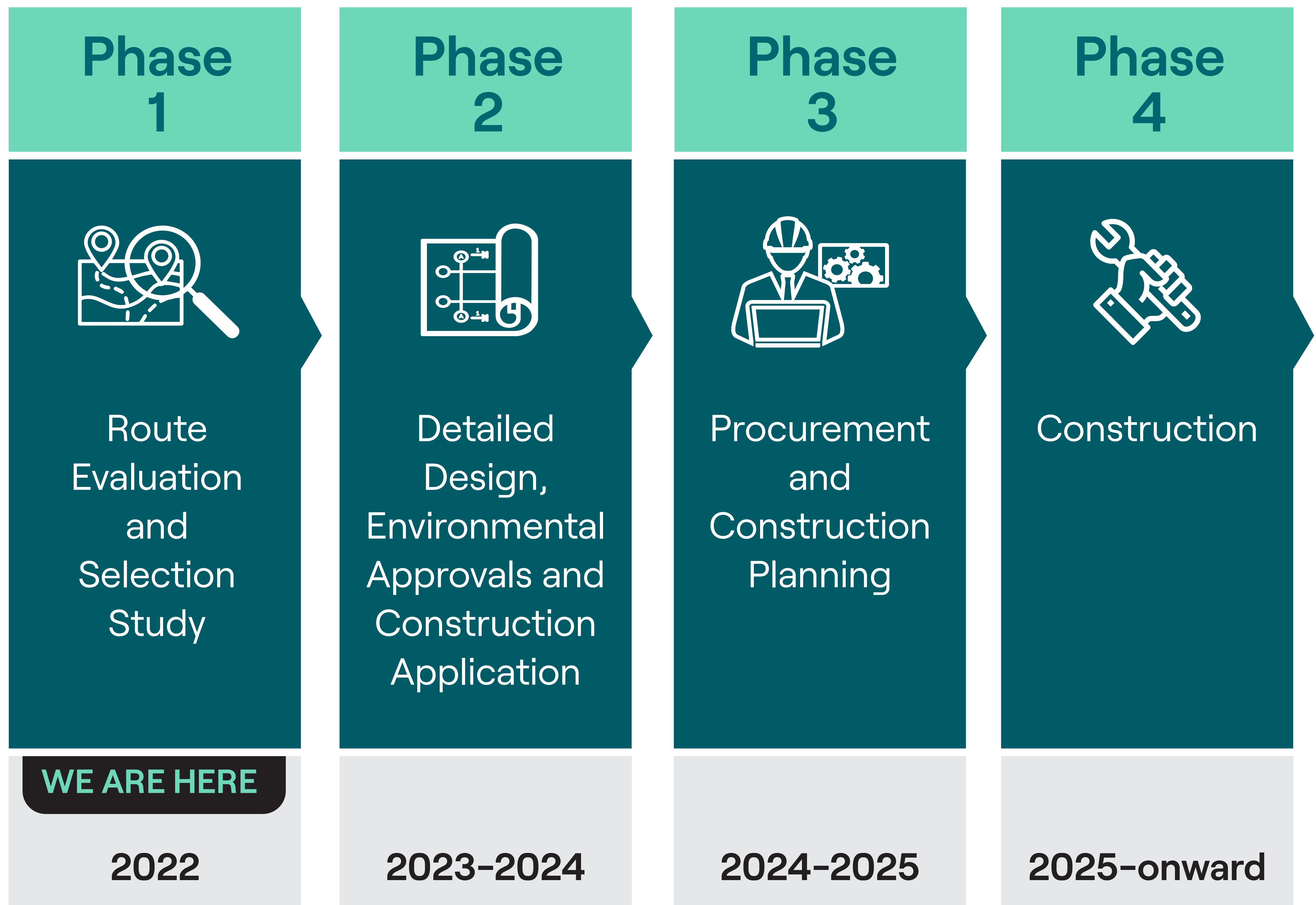
- Providing opportunities to share information about the project
- Understanding how new infrastructure design can fit within the community
- Listening to the community's perspective, collecting input and considering options to mitigate impacts where possible



As part of the route evaluation and selection process, we are seeking community feedback in areas such as:

- Significance and/or use of unique community features (e.g., local landmarks and meeting places)
- Knowledge of traffic and transportation uses that could influence the choice of construction methodology
- Information on how parks and greenspaces within the community are used

Project Schedule



Timelines are based on current project estimates and may be updated as project planning continues

Thank you for joining us today

Please fill out a comment form before you leave, or send us your comments afterward.

Join our project contact list to receive important updates.

If you have any questions about the project, please contact Hydro One Community Relations:



1-877-345-6799



Community.Relations@HydroOne.com



www.HydroOne.com/WTTLR