



Scarlett Road Bridge & Road Improvements

Drop-in Event

July 12, 2022

Land Acknowledgement



We acknowledge the land we are meeting on is the traditional territory of many nations including the Mississaugas of the Credit, the Anishnabeg, the Chippewa, the Haudenosaunee and the Wendat peoples and is now home to many diverse First Nations, Inuit and Métis people. We also acknowledge that Toronto is covered by Treaty 13 with the Mississaugas of the Credit.

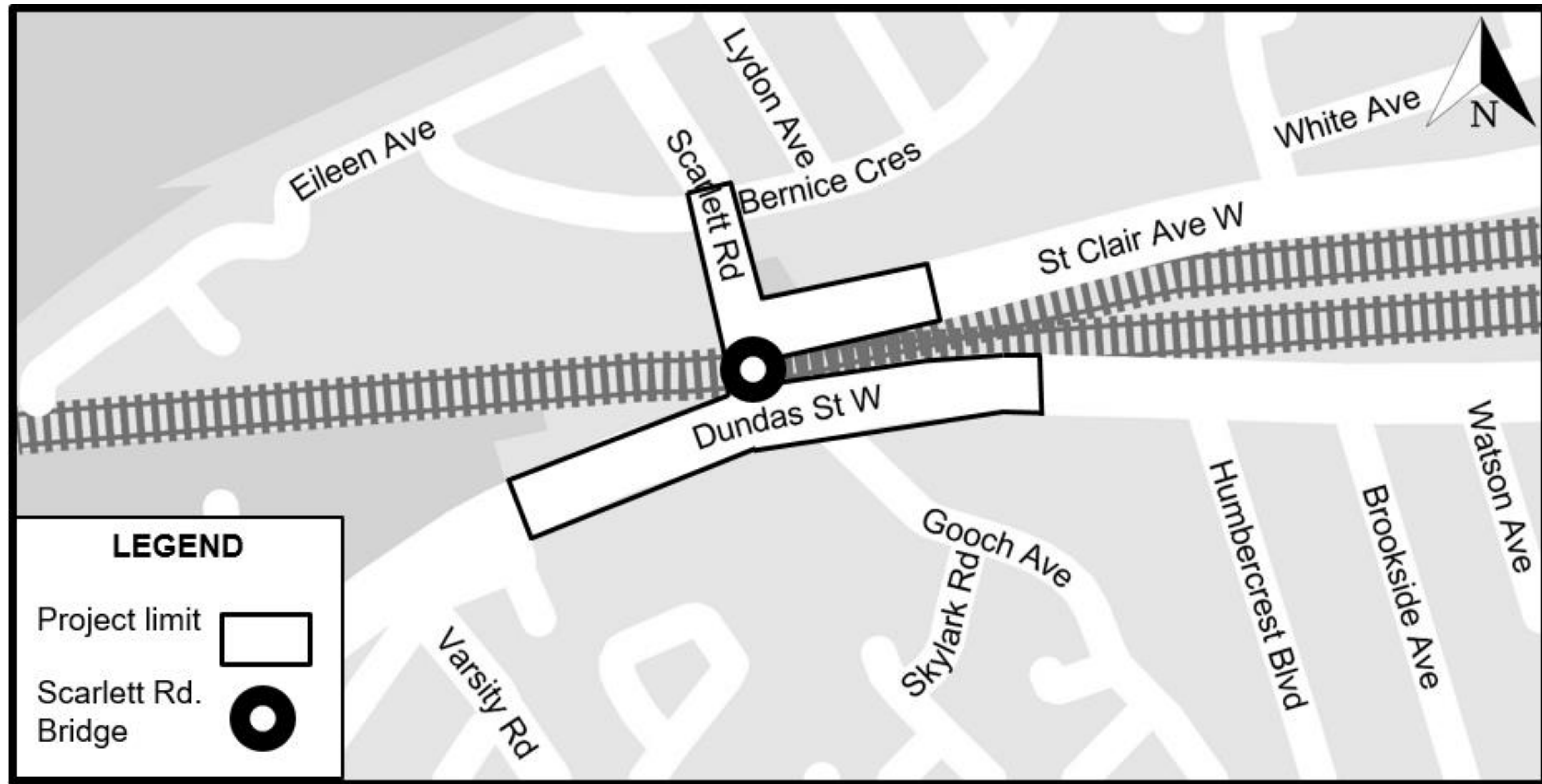
About Tonight's Event

The purpose of tonight's drop-in event is to:

- Update you on the plans for the reconstruction of the Scarlett Road Bridge and intersections of Scarlett Road & St. Clair Avenue West and Scarlett Road & Dundas Street West
- Help you understand how the updated design will affect you and how we've addressed previous feedback
- Learn how the upcoming construction is being planned

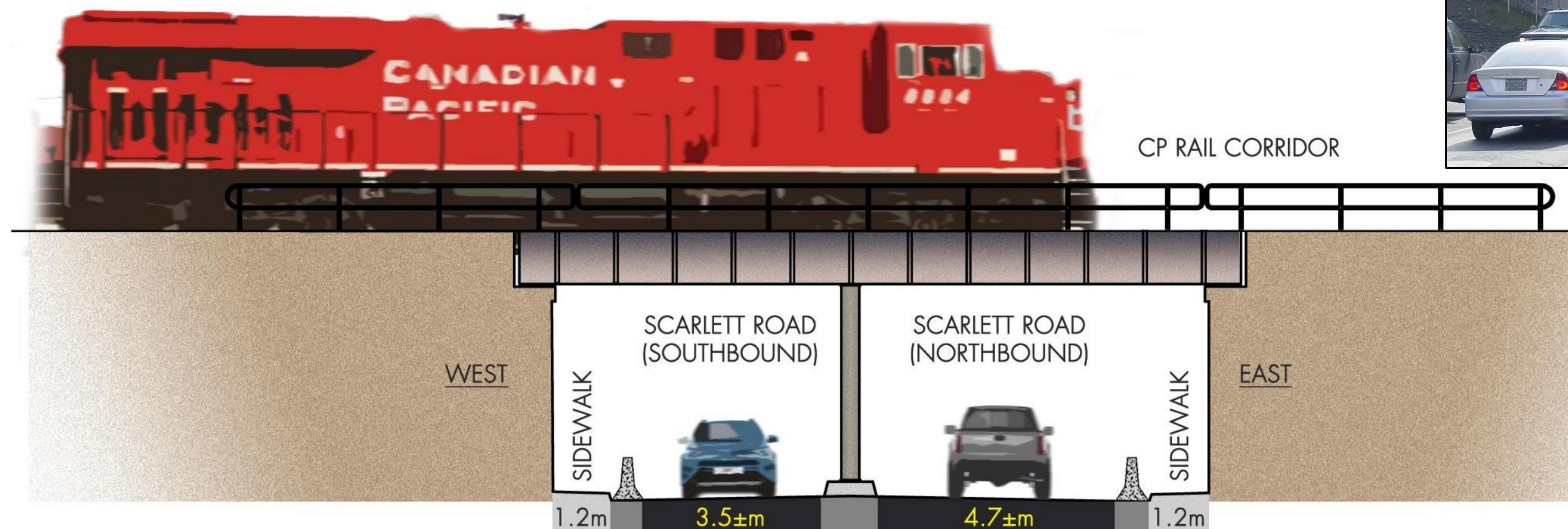
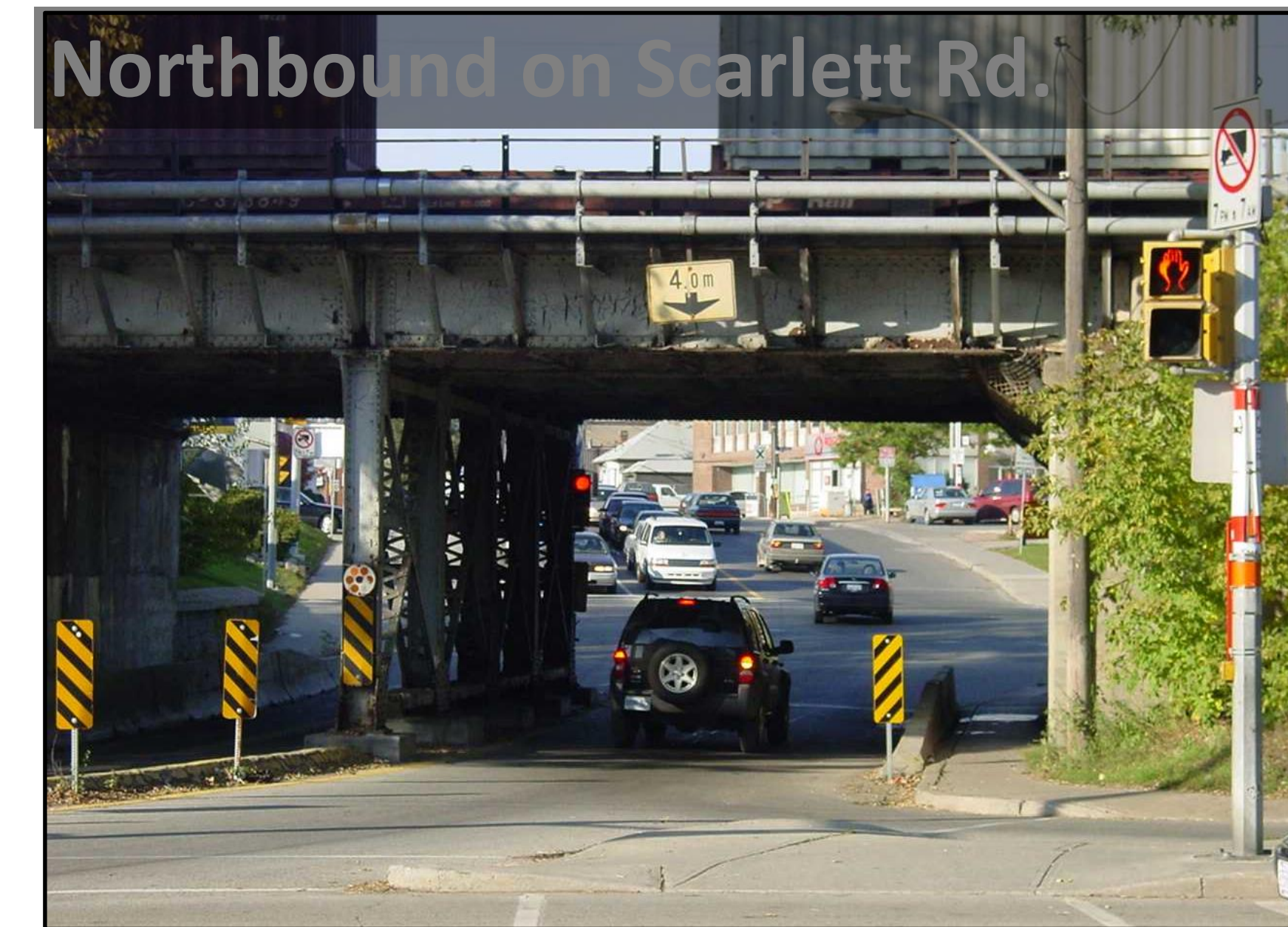
Project Area

This project is based on a completed Environmental Assessment study that focused on addressing **safety and traffic operations** in the area around the Scarlett Road Bridge, including the bridge itself



Existing Traffic & Operational Concerns

- Only one travel lane in each direction under the bridge
- The clearance (height) from the road to the bottom of the bridge is 4 meters. Large vehicles such as trucks can get stuck or strike the bridge
- Only southbound right turns to Dundas Street West can be accommodated with the current configuration. Vehicles cannot go left onto Dundas Street West

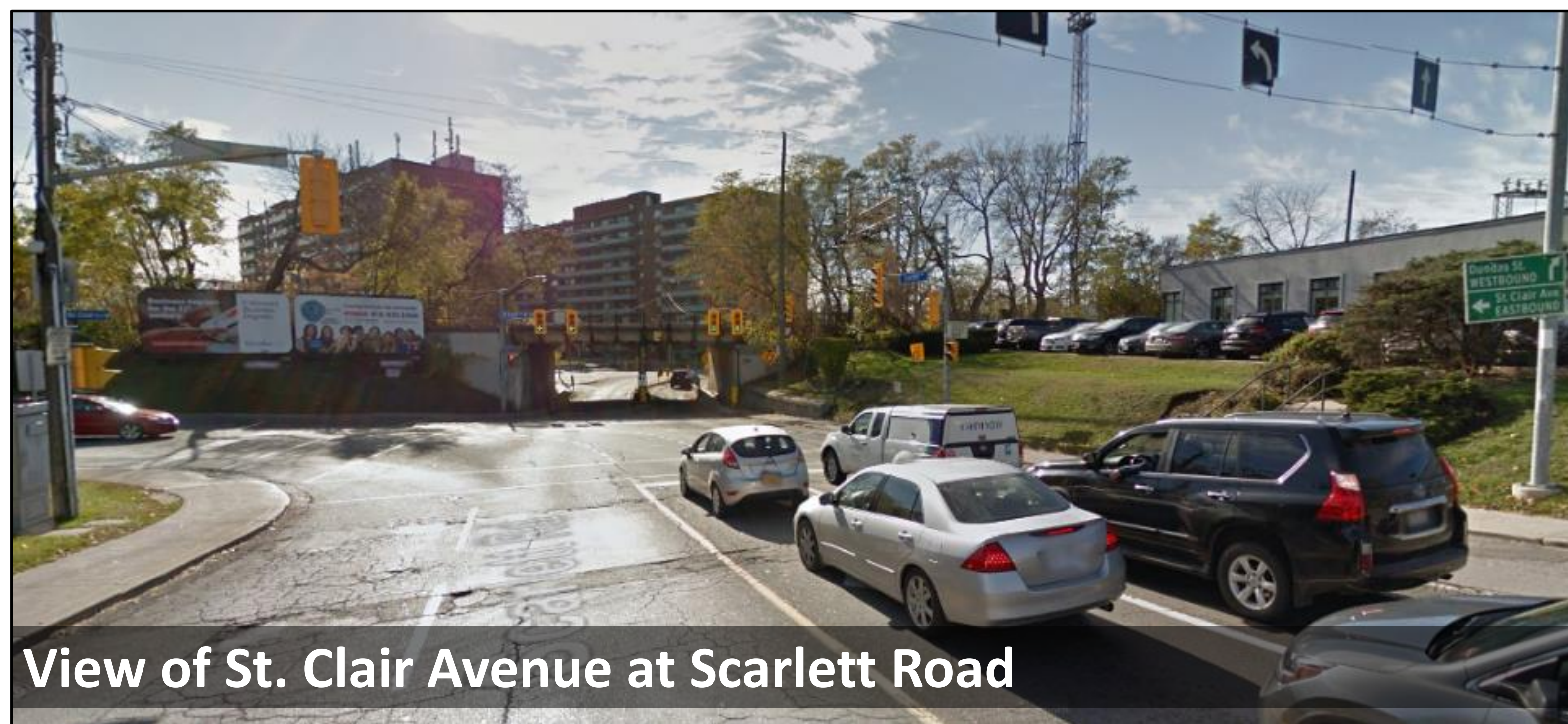


Existing Safety Concerns

- Narrow sidewalks that are only 1.2 meters wide
- Poor sightlines
- Unprotected centre pier could worsen damage to bridge due to a collision
- Unprotected two-stage pedestrian crossing on the north side of Dundas Street West, with the bus shelter located on a traffic island
- Lack of cycling infrastructure
- Poor condition of the bridge constructed in 1912



View of narrow sidewalk



View of St. Clair Avenue at Scarlett Road



View of the Unprotected Centre Pier

Project Status

The detailed design is nearing completion with completion expected this year. Delays to finalizing the design and beginning construction in 2019 as originally contemplated occurred because:

- Further flood modelling and analysis was needed to confirm stormwater management requirements
- Complex coordination issues emerged with the relocation of underground utilities (Enbridge, Hydro, Bell, Rogers, Lumen)
- CP Rail began relocation of its signal bridge and discovered underground utilities at the planned foundation for the relocated signal bridge and a new approach was required
- CP Rail identified the need for a different type of deck for the bridge
- Final property impacts were only able to be identified following the resolution of other issues

What improvements are planned?



Vehicle traffic changes

- Added travel lane in each direction (north/southbound) under the bridge that also allows for a dedicated left-turn lane from Scarlett Road to Dundas Street West for eastbound travel
- Lane widths reduced to reflect current City standards



Pedestrian improvements

- Wider sidewalks with decorative, tactile pavers on Scarlett Road for accessibility
- Removal of right-turn channels and relocation of TTC bus shelter for easier access
- New lighting under the bridge
- New benches and landscaping upgrades in the parkette at St. Clair Avenue
- New accessible ramp on south side of Dundas Street West to TCHC building



Cycling improvements

- New raised cycle track on each side of Scarlett Road
- New raised bi-directional (two-way) cycle track on the north side of Dundas Street West west of Scarlett Road with the potential for multi-use trail at pinch points
- New multi-use trail on the north side of Dundas Street West east of Scarlett Road

Bridge improvements



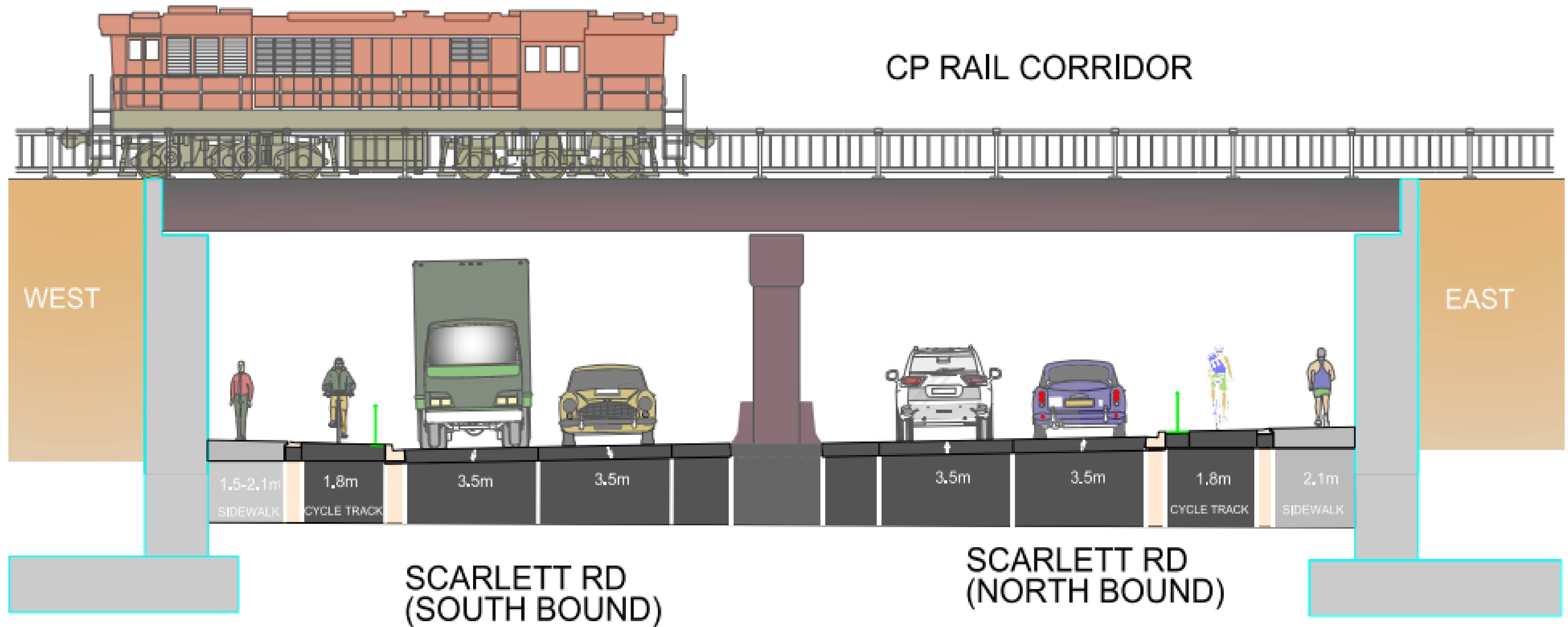
- Lowered road profile to provide better clearance
- Added barrier wall around centre bridge pier to protect bridge structure
- Wider deck to accommodate a fifth rail track for potential future Metrolinx expansion

Aerial View of the Improvements



Artistic rendering showing the planned improvements looking north above Dundas Street West*

Scarlett Road Bridge Improvements



Scarlett Road Bridge Improvements



Artistic rendering showing the planned improvements at the bridge from the parkette looking south

Scarlett Road Bridge Improvements



Artistic rendering showing the planned improvements at the bridge looking north from Dundas Street West

Addressing Flooding

- Additional modelling and analysis was completed to mitigate flooding risks at the bridge that accounted for:
 - A changing climate
 - 100-year storm events
 - Coordination with basement flooding initiatives in the area
 - The lower road profile
- Planned stormwater infrastructure that addresses flooding at the underpass consists of:
 - A new, larger storm sewer
 - High-capacity inlets to drain stormwater into the storm sewer



Example of a high-capacity inlet*

**infrastructure installed may be different than shown*

Tree Removals and Replacement

- In making the improvements to the bridge, which requires lowering the road, existing trees on the west and east sides of the bridge as well as along certain boulevards will need to be removed
 - During construction, the contractor will provide tree protection and hoarding around trees to be retained
 - Some trees identified to be removed are protected by the Ravine & Natural Feature Protection (RNFP) by-law
- The arborist report is being updated and finalized to summarize
 - Trees to be removed; previous report identified that majority of species are of low quality
 - RNFP trees to be removed
 - Tree protection and planting requirements for the construction work
- The City will try to plant trees where possible on the site
 - RNFP replacement trees will be native species
 - If tree planting cannot be accommodated at the site due to limited space, cash-in-lieu will be provided according to ratios in applicable City by-laws

Other Potential Safety Refinements Under Consideration



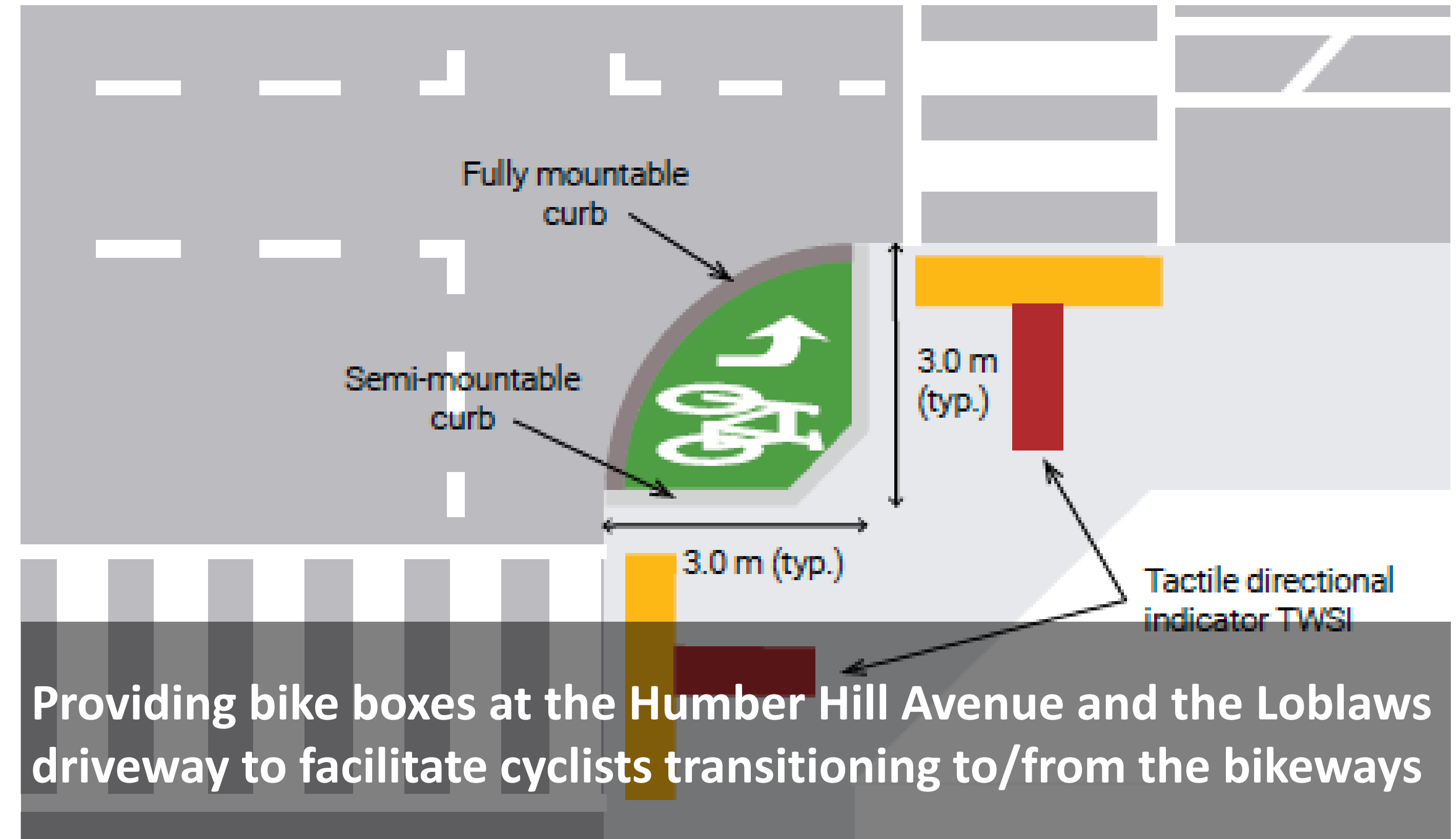
Narrowing curb radii to slow turning cars and providing truck aprons at intersections to facilitate truck turns



Potentially removing the second left turn lane on Dundas Street West and allocating additional space to pedestrians and cyclists



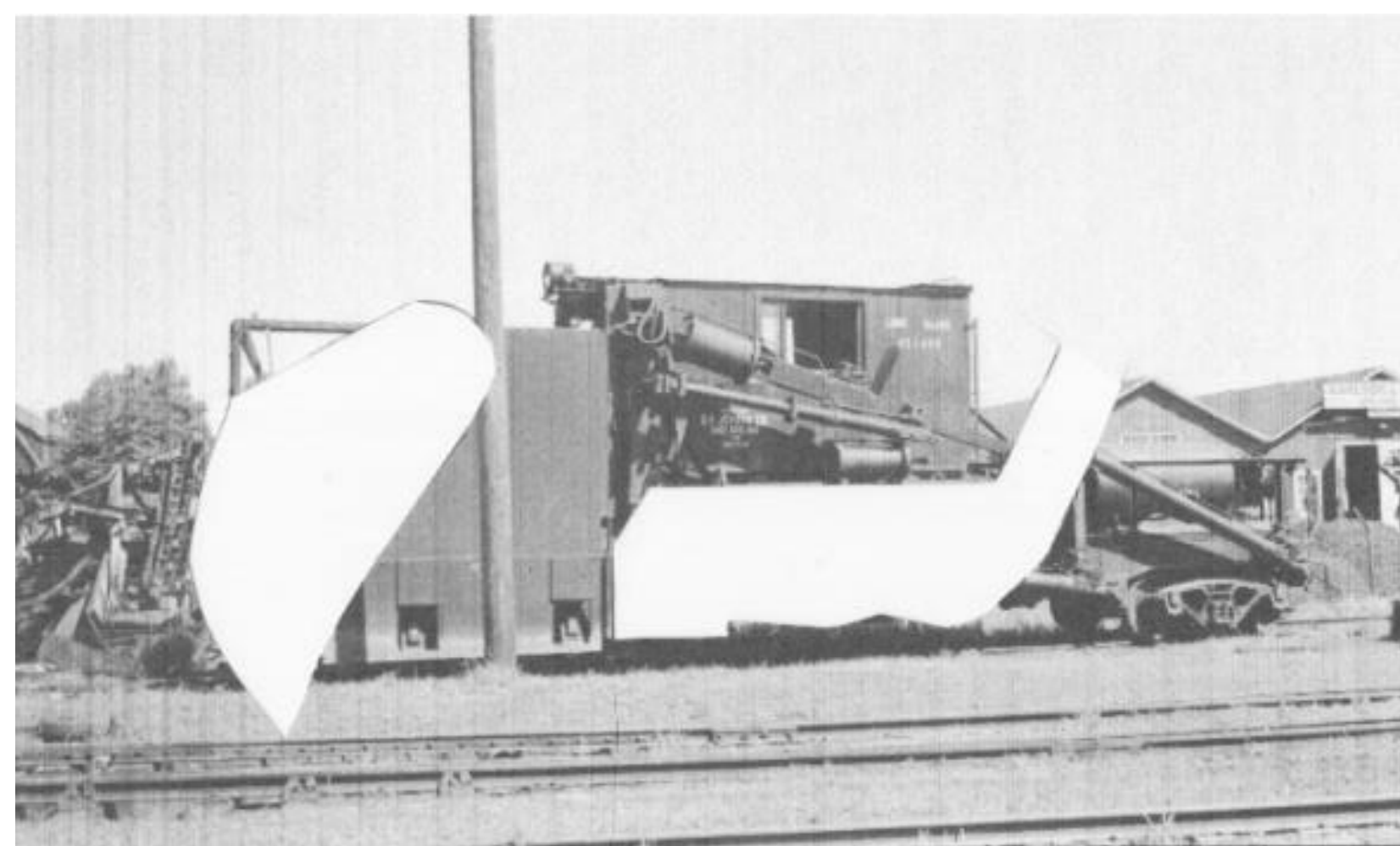
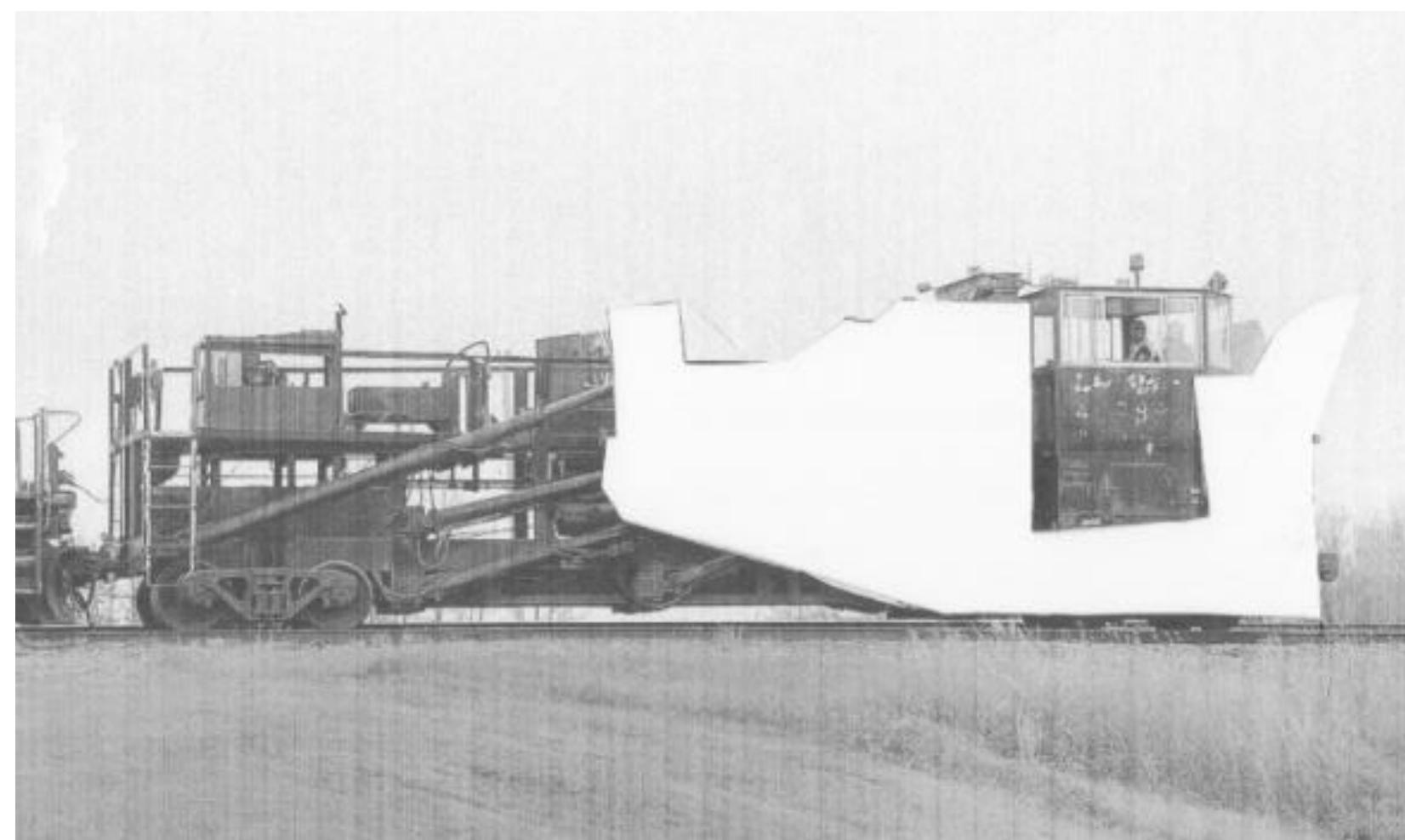
Providing curb extensions at local streets to narrow the pavement width and provide safer crossings



Providing bike boxes at the Humber Hill Avenue and the Loblaws driveway to facilitate cyclists transitioning to/from the bikeways

Public Art

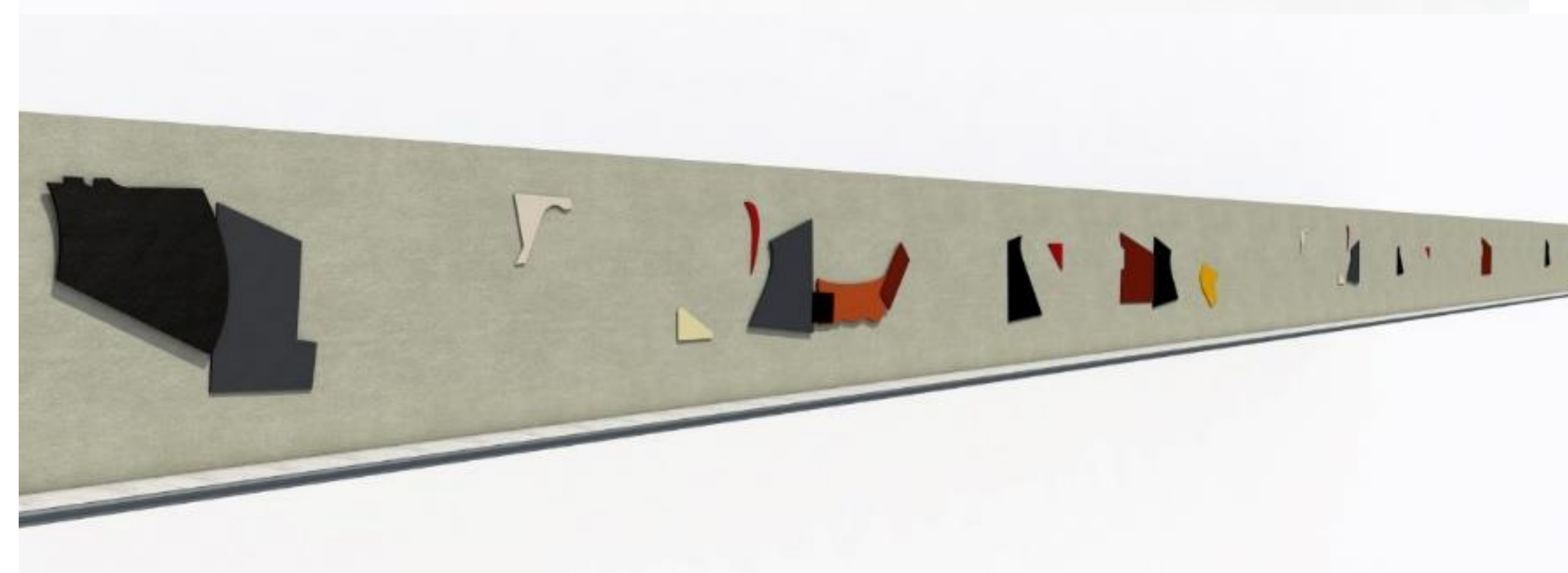
- Artist Georgia Dickie was selected to create an art installation
- The work will be featured on the retaining walls alongside the sidewalk leading to the bridge
- The installation is an abstraction from railway machinery invented in Toronto



Historical images of the Jordan Spreader

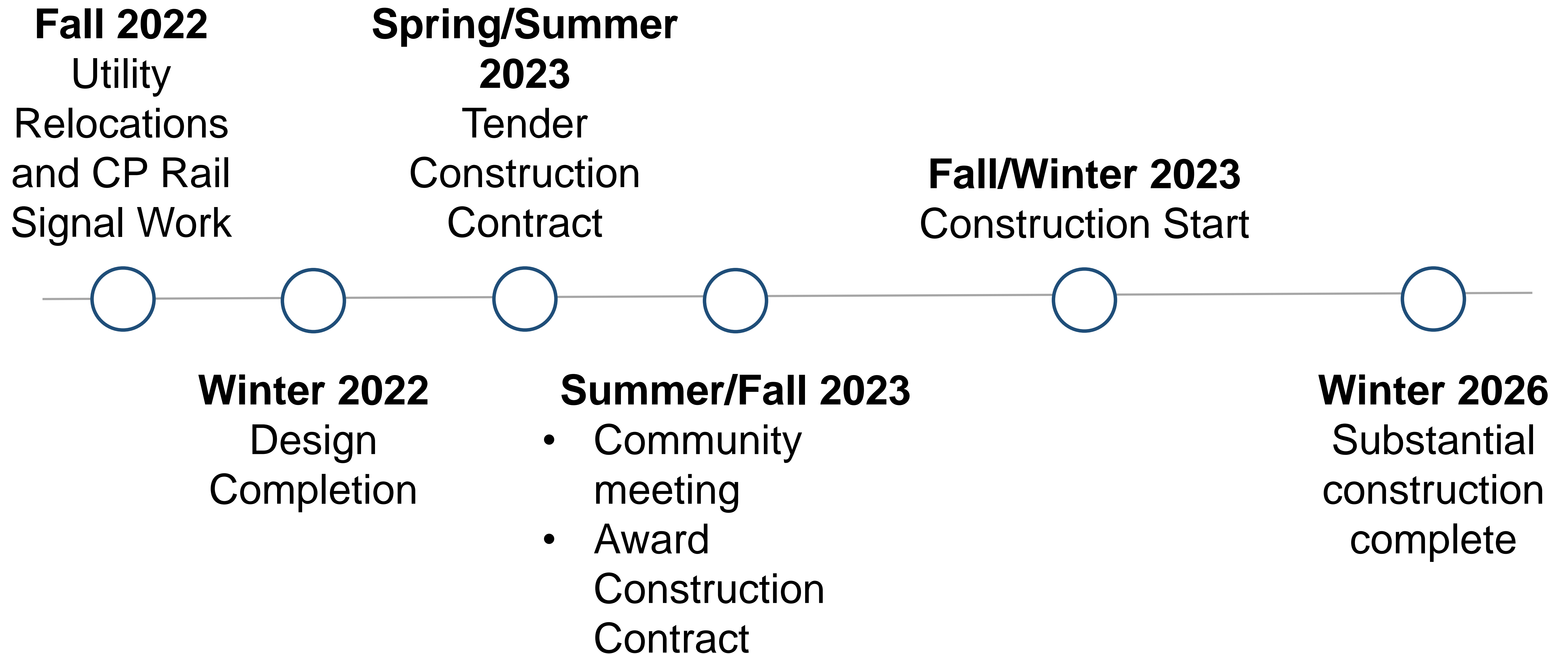


West retaining wall



East retaining wall

Anticipated Construction Timing



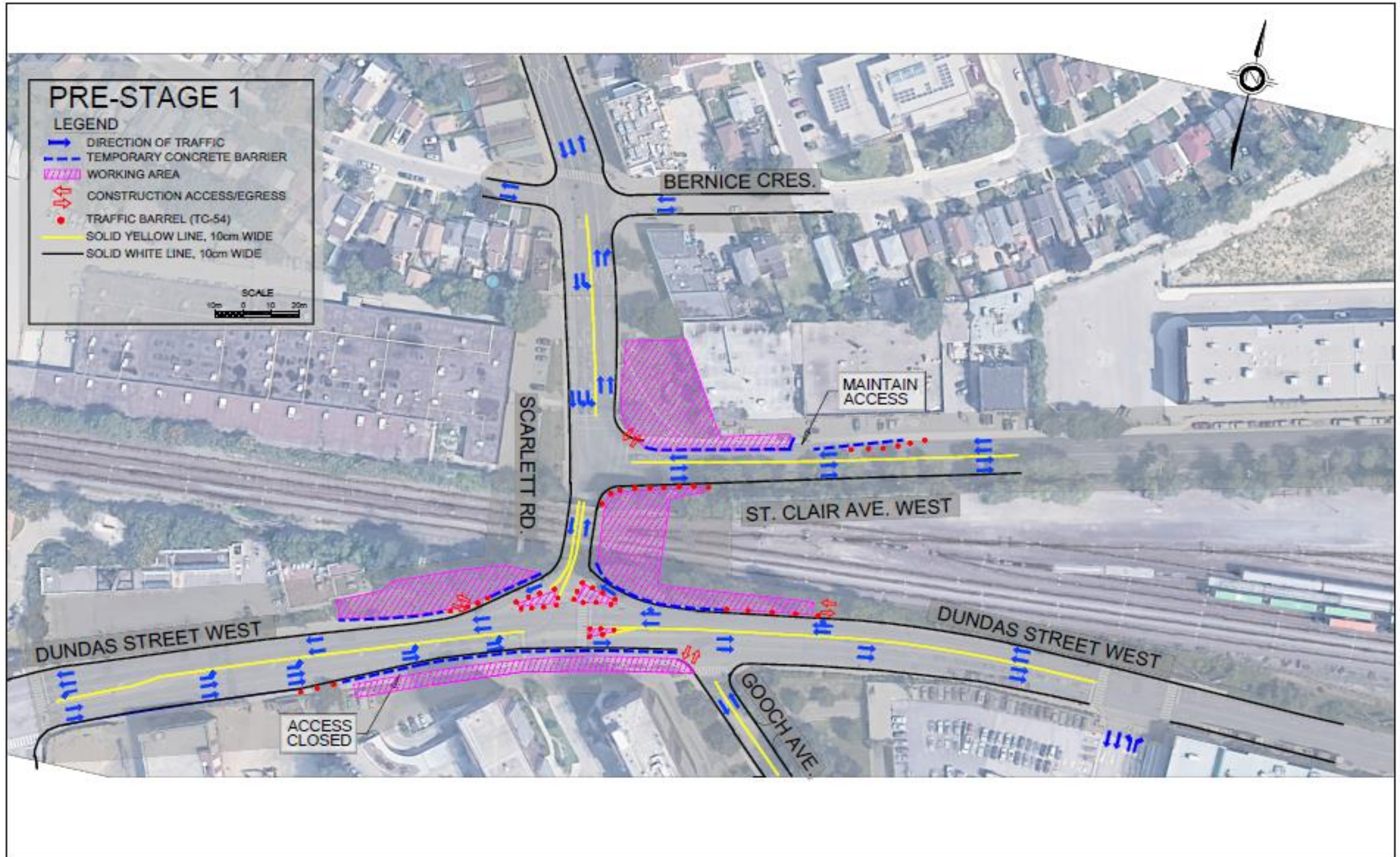
- The relocation of underground utilities and CP Rail signal work must first take place to avoid conflicts with rebuilding the bridge and intersections
- The timing of the utility and CP Rail work is subject to change and outside of the City's control
- Construction completion at the end of 2026 is subject to weather. Additional finishing works may be required following substantial construction completion

Traffic Management During Construction

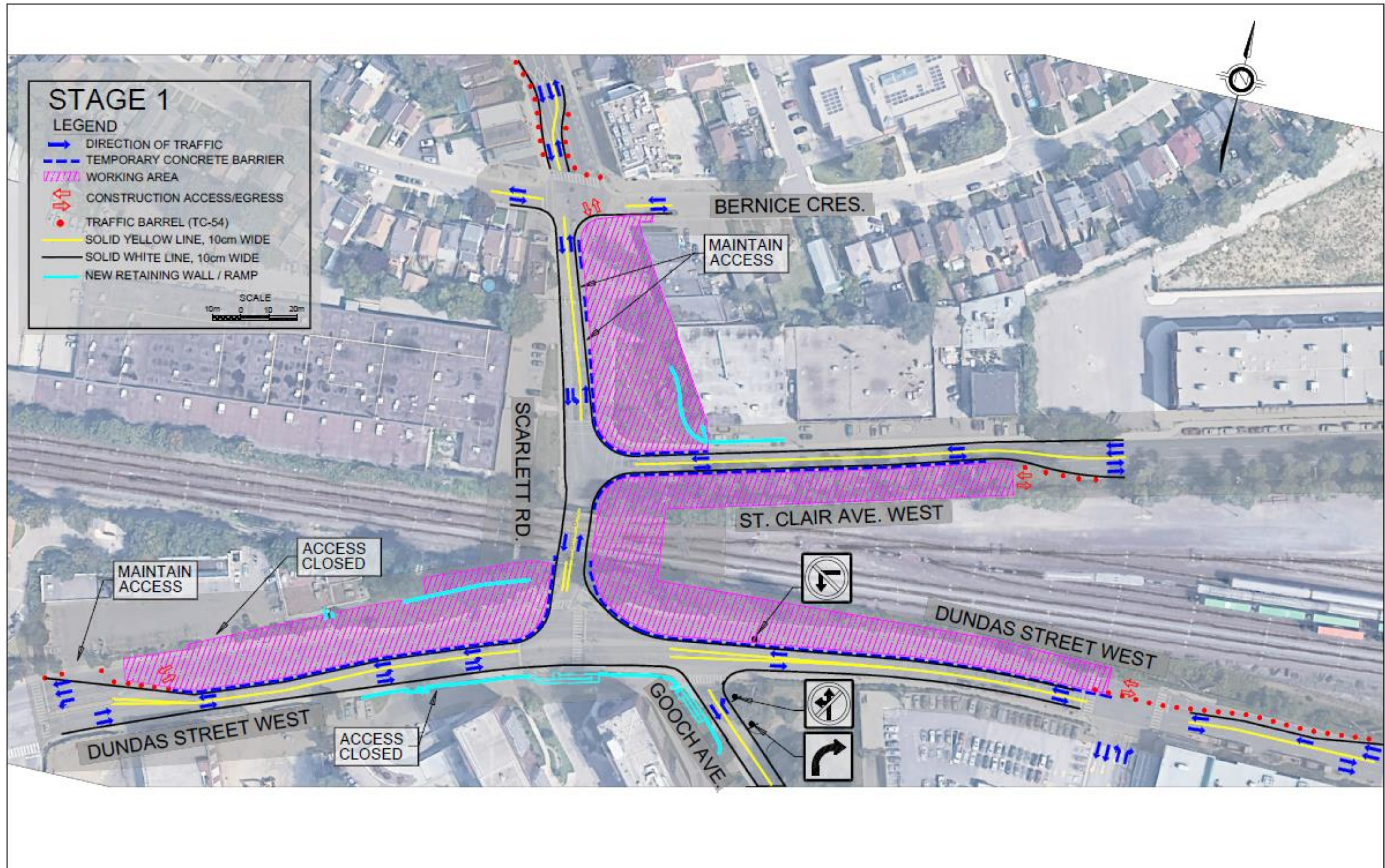


- Construction work is expected to take place in stages and a preliminary construction staging concept has been prepared that ensures construction is feasible; the construction staging approach will be reviewed and confirmed by the contractor once hired
- The final traffic management plan will be developed by the contractor and submitted to the City for review before construction can begin. The following are the conditions that the City will require the contractor to reflect in the final traffic management plan:
 - Keep one lane open in each direction on Scarlett Road
 - Keep one to two lanes open in each direction on Dundas Street West during construction
 - Right-turn restrictions from Dundas Street West onto Gooch Avenue to mitigate the potential of drivers using Gooch Avenue to bypass construction
- The final traffic management plan will be shared at the next public information event scheduled to take place prior to the start of construction

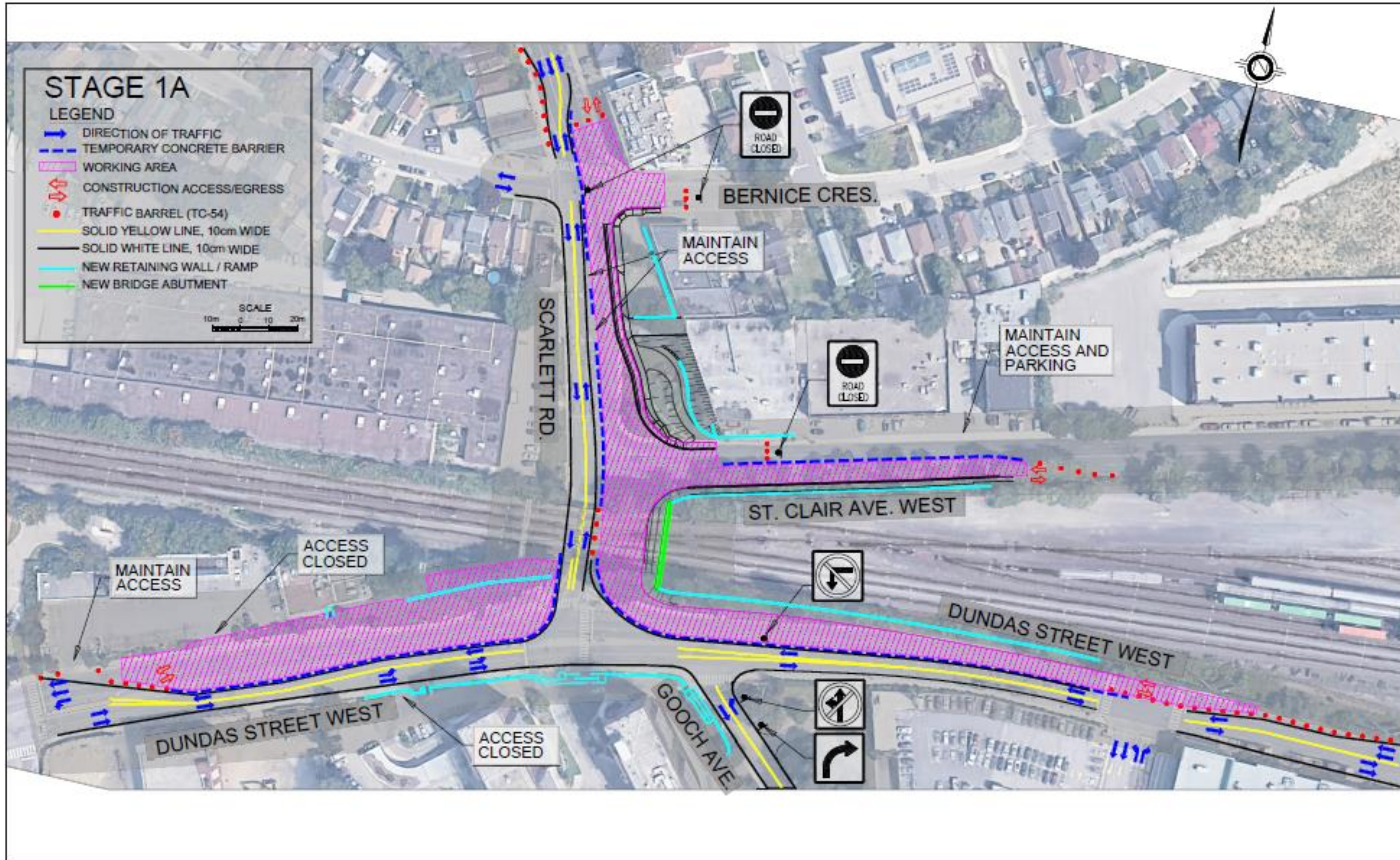
Preliminary Construction Staging: *Pre-Stage 1*



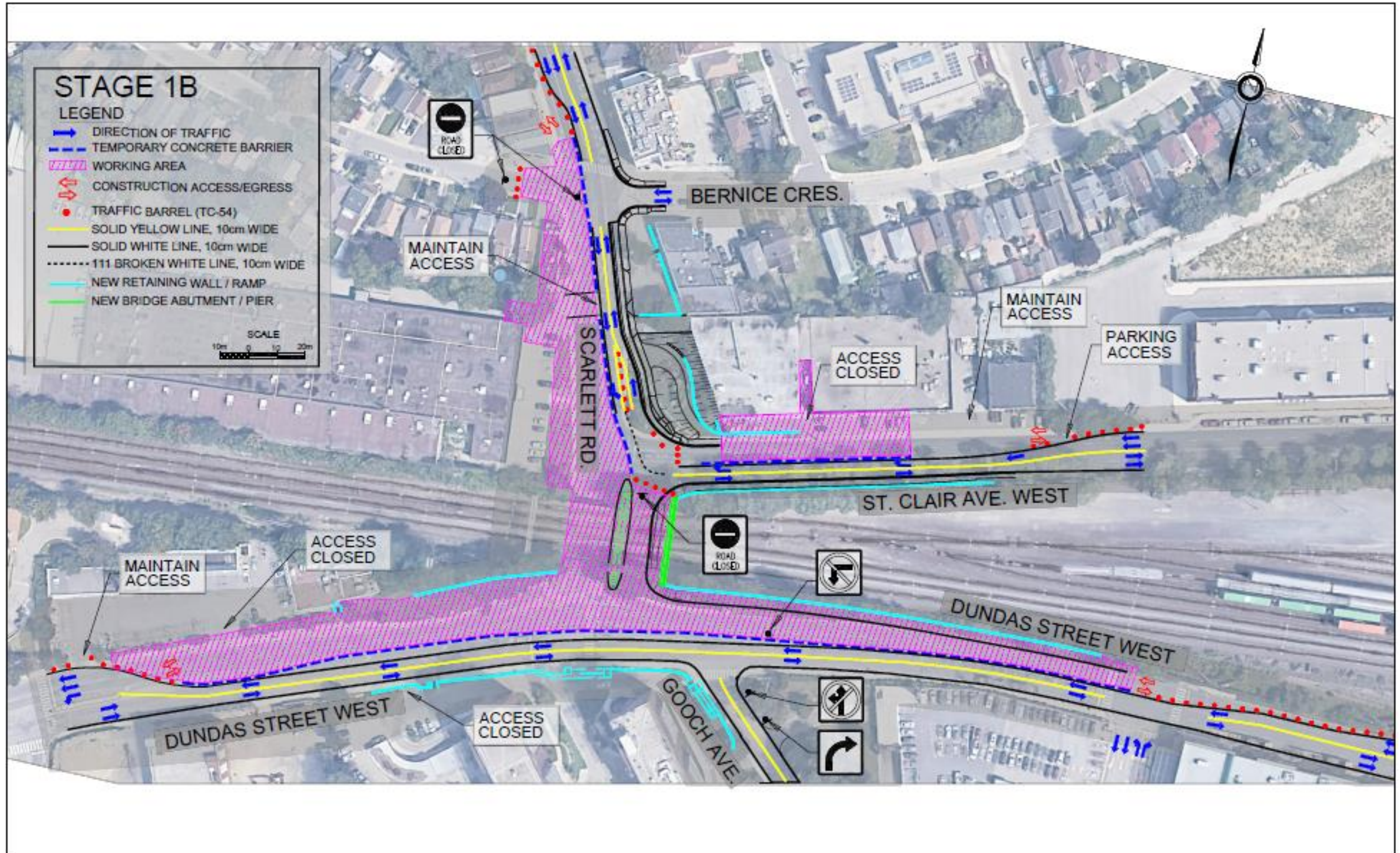
Preliminary Construction Staging: Stage 1



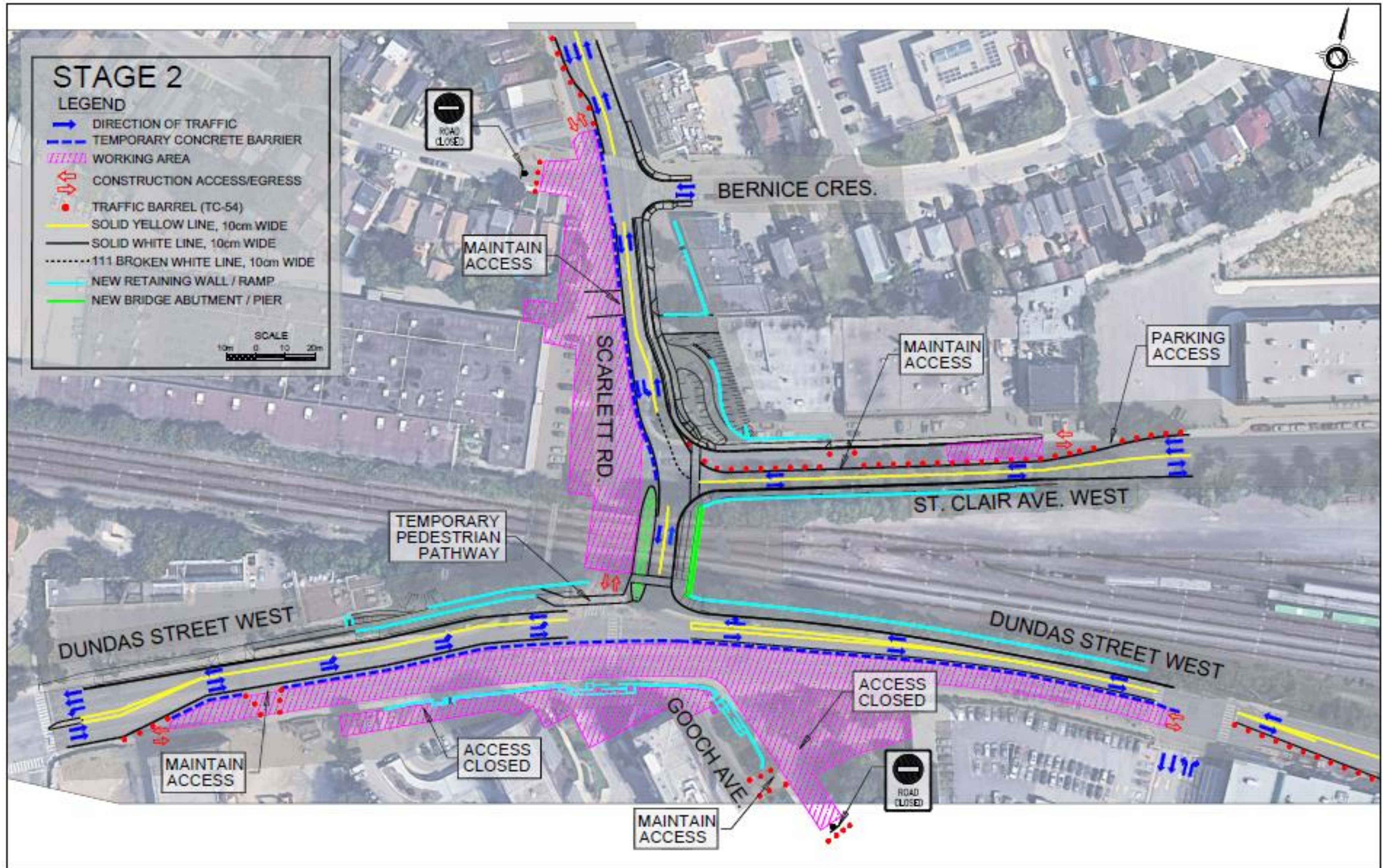
Preliminary Construction Staging: Stage 1A



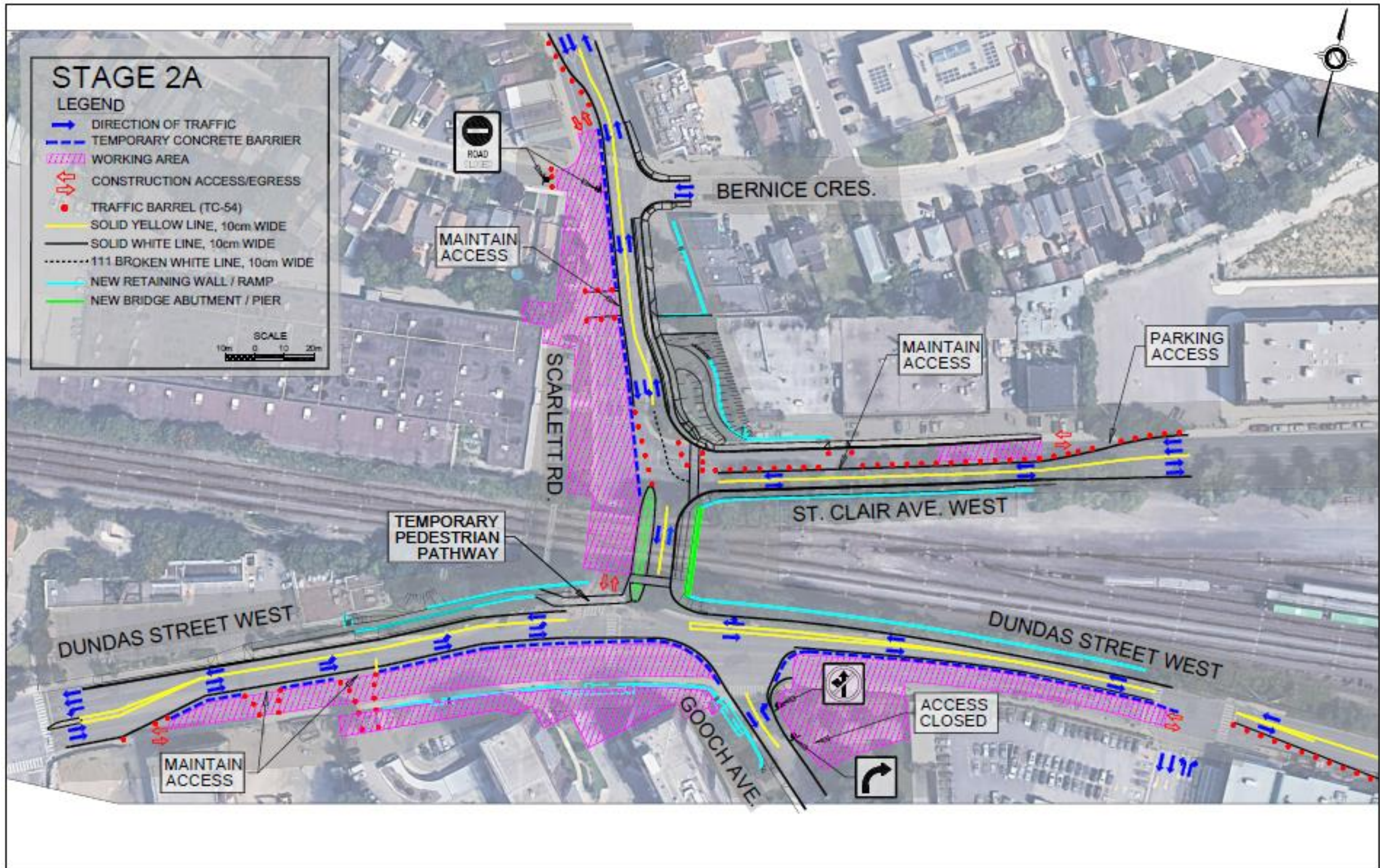
Preliminary Construction Staging: Stage 1B



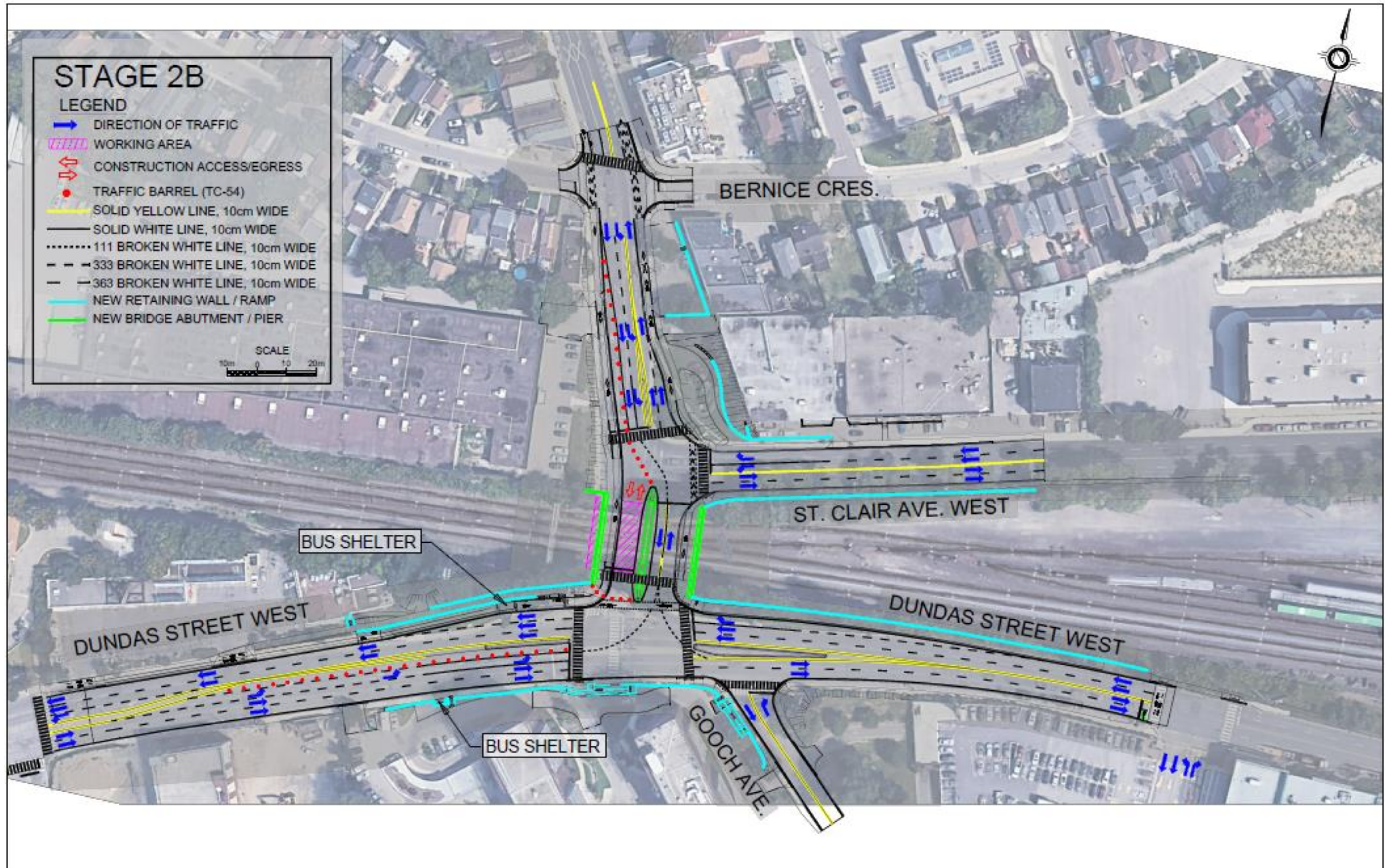
Preliminary Construction Staging: Stage 2



Preliminary Construction Staging: Stage 2A

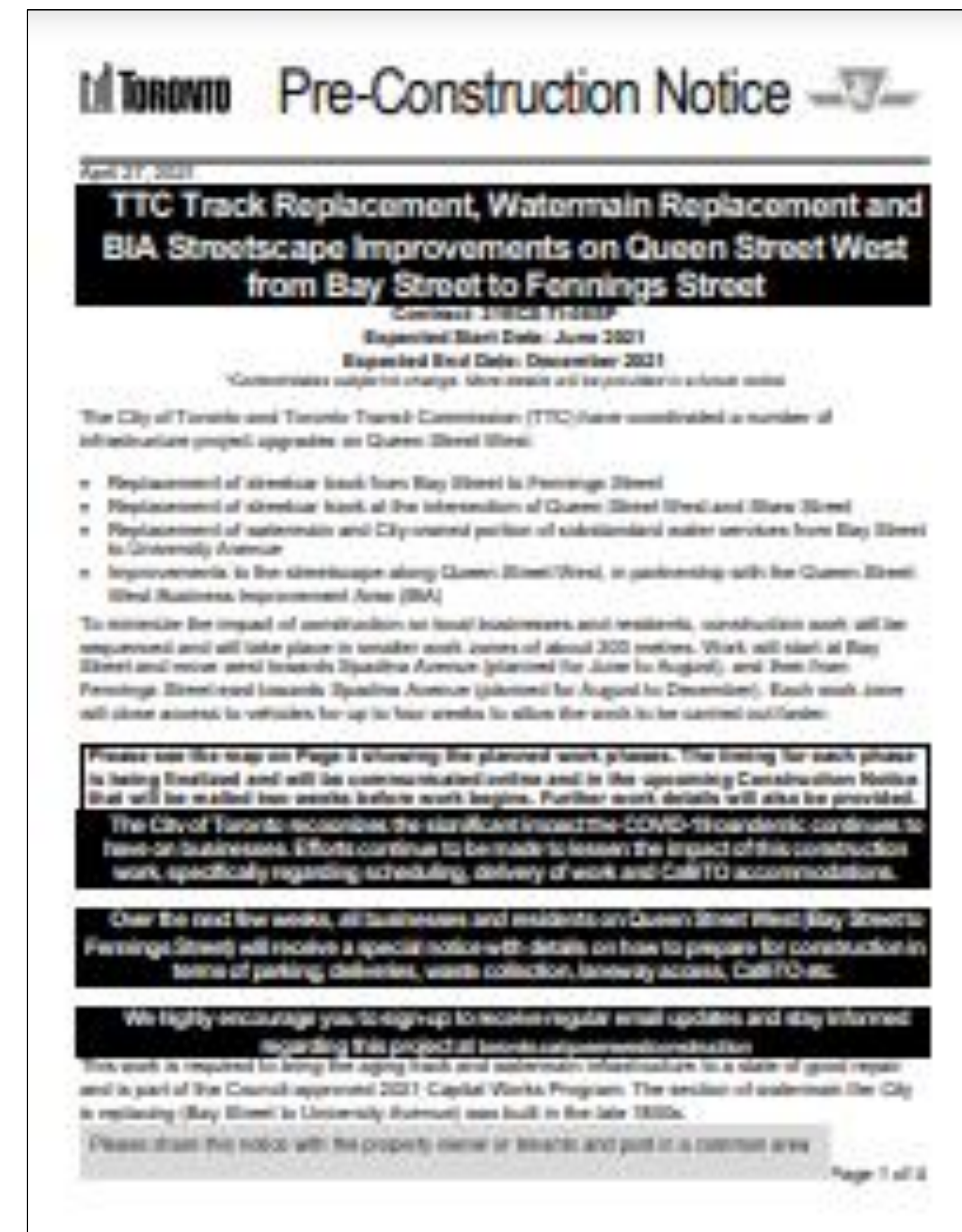


Preliminary Construction Construction: Stage 2B

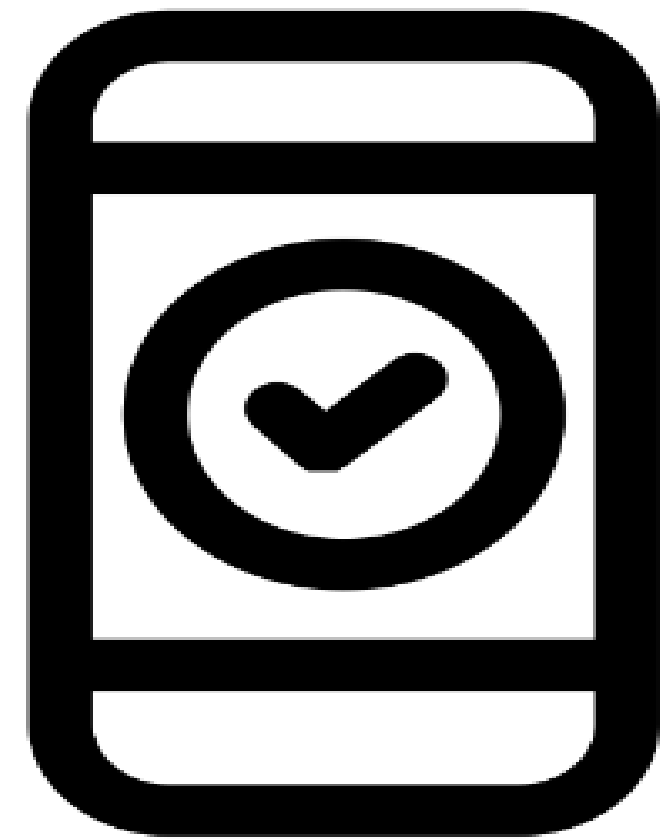


Keep Informed

- City will provide updates on the project webpage and via email during the stages of utility relocations
- Ahead of construction, the City will host a Public Information Event to provide construction related details:
 - What to expect during construction
 - How to get around during construction
 - Details on landscaping and public art
- Residents and businesses will receive Construction Notices ahead of construction and throughout the delivery of the work



Stay In Touch



If you have any questions about this project, please contact:

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