407 TRANSITWAY

HURONTARIO STREET TO BRANT STREET

PUBLIC INFORMATION CENTRE #1



VIC JOHNSTON COMMUNITY CENTRE HALL

Date: Wednesday November 28th, 2018

Time: 4:00 p.m. to 8:00 p.m. Location: 335 Church Street

Mississauga, Ontario

MAINWAY RECREATION CENTRE

Date: Thursday November 29th, 2018

Time: 4:00 p.m. to 8:00 p.m.

Location: 4015 Mainway

Burlington, Ontario

PROJECT WEBSITE: 407Transitway.com

PURPOSE OF PUBLIC INFORMATION CENTRE #1



The purpose of this PIC is to:

- Introduce the 407 Transitway project to the Public.
- Present Study Schedule.
- Present initial forecast ridership and potential service concept.
- Present overview of existing environmental conditions.
- Present planning alignment and station alternatives.
- Present alternatives evaluation criteria and methodology that will be applied to the alternative stations/alignments.
- Obtain feedback from the Public.

Members of the Study Team are available to discuss the project with you. Please feel free to ask questions and fill out a comment sheet.

You may also visit us at 407Transitway.com

HOW CAN YOU COMMENT?

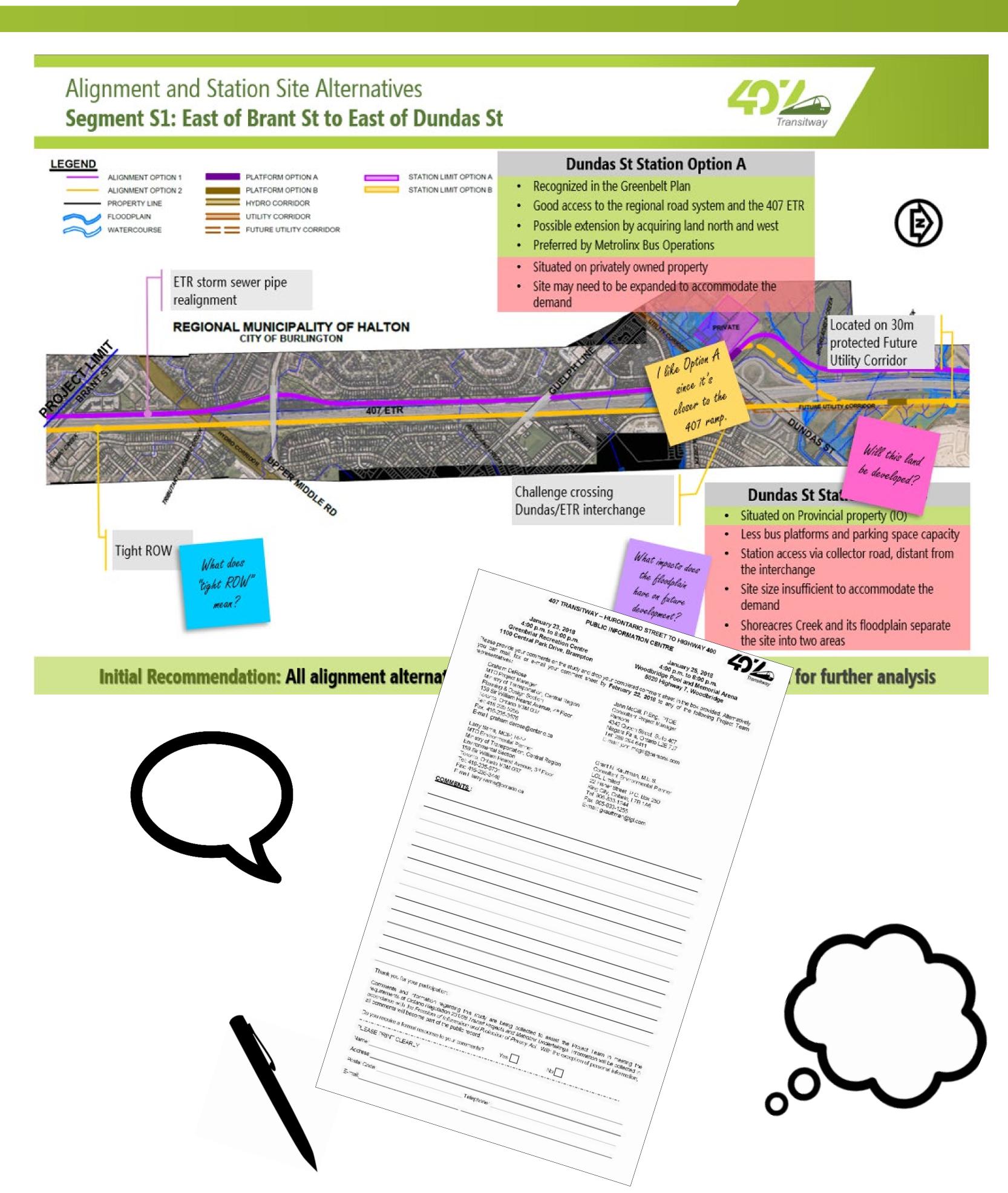




- 1. Fill out a comment sheet.
- 2. Place a post-it with comments on any of the presentation boards.



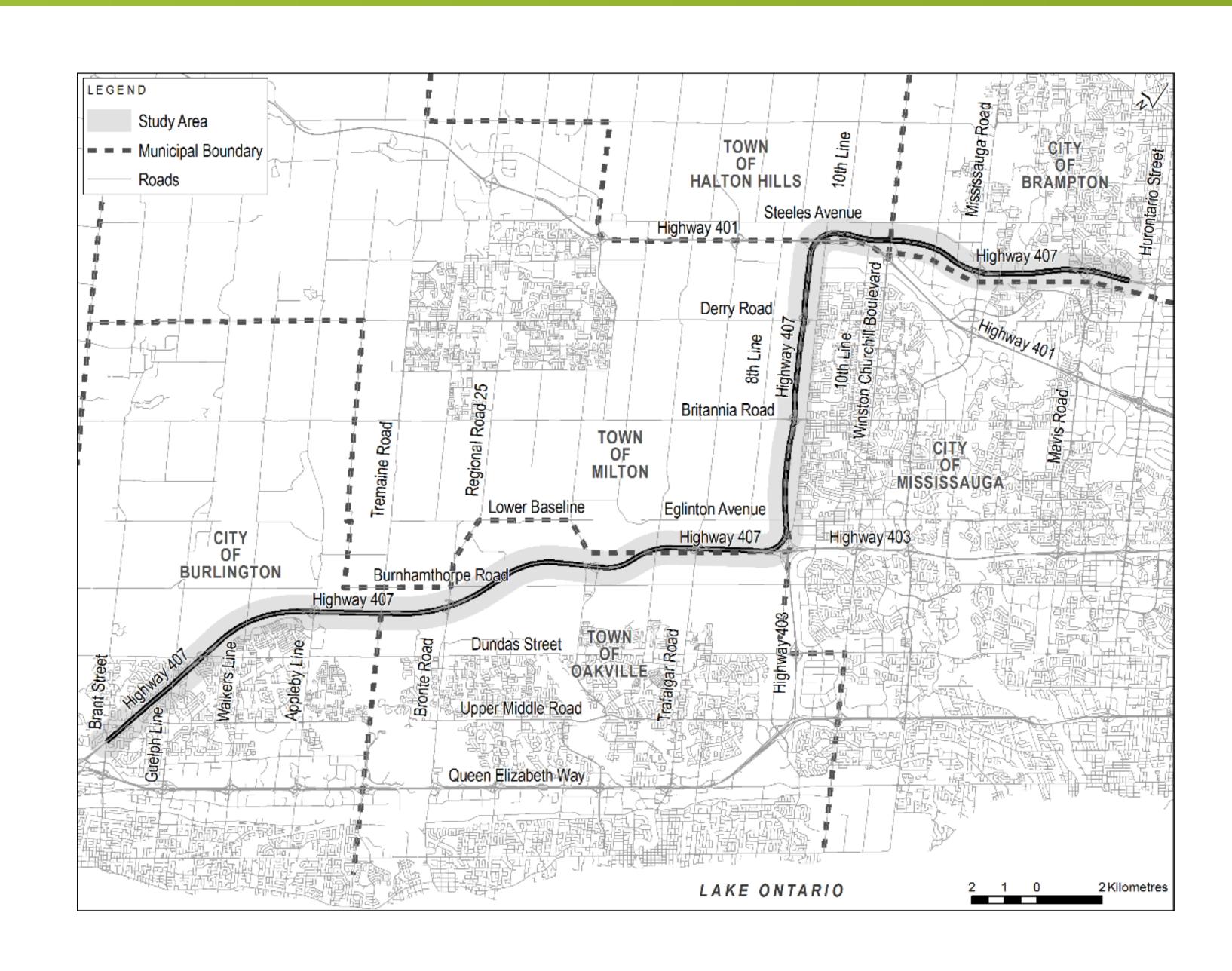
Comments would be appreciated by: December 28th, 2018

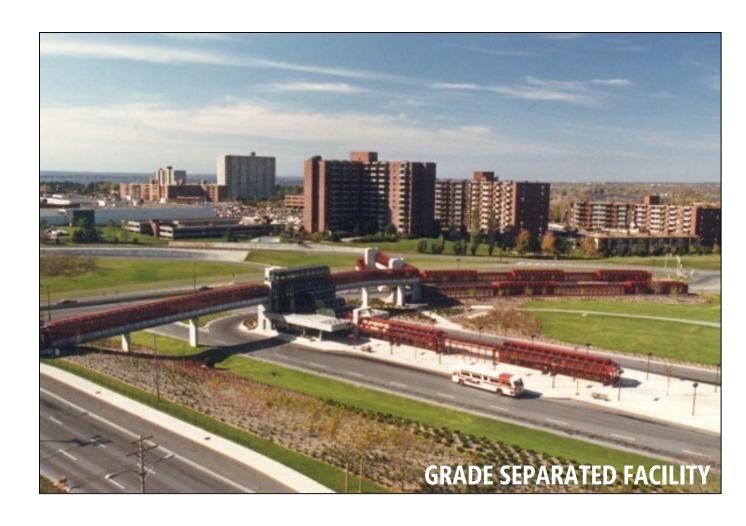


WHAT IS THE 407 TRANSITWAY?



- Exclusive, fully grade separated (no intersections) bus rapid transit corridor, parallel to 407 ETR with potential conversion to light rail transit.
- The 407 Transitway will extend from Burlington to Highway 35/115 (150 km) with up to 50 stations.
- Study limits for this Section: west of Brant Street in Burlington to west of Hurontario Street in Mississauga.
 - 43-km exclusive runningway.









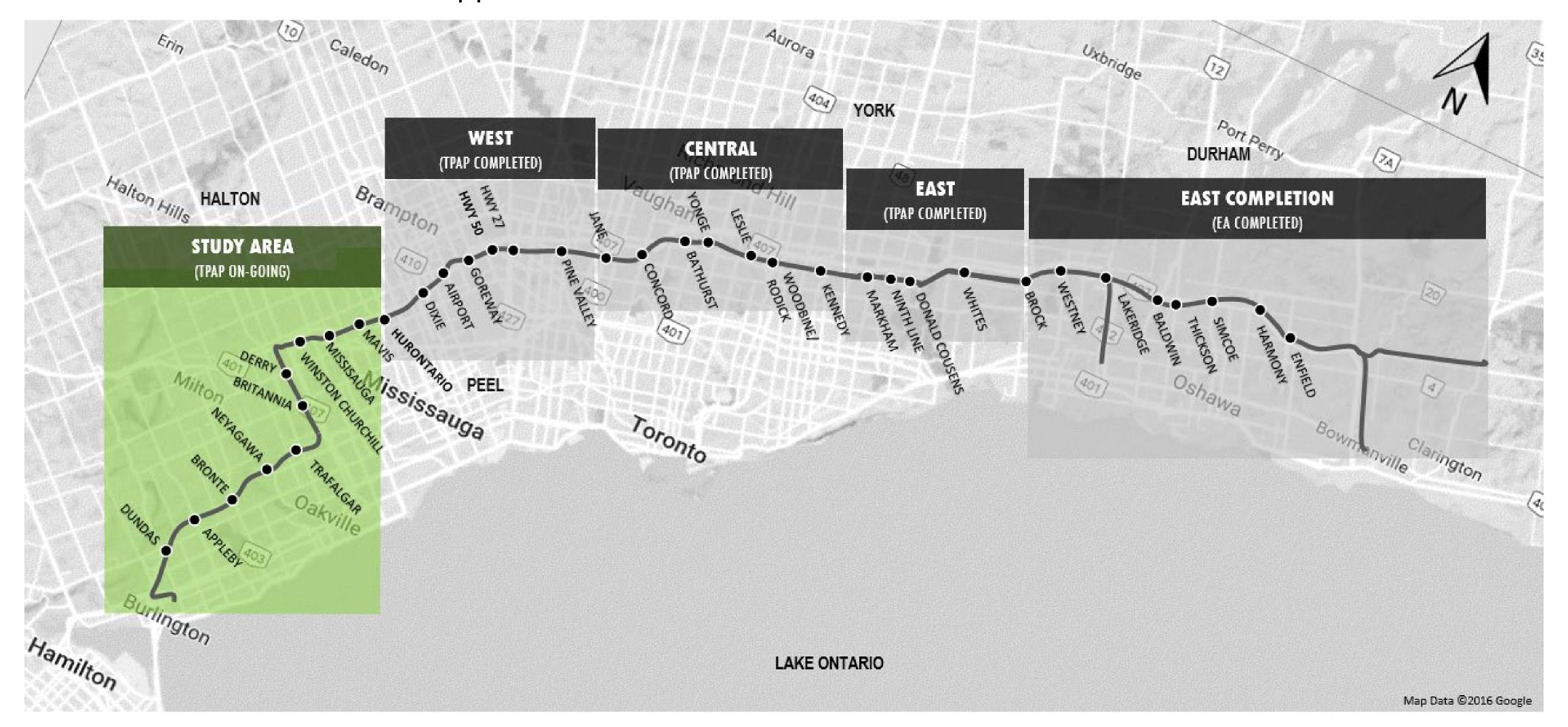


OTTAWA BRT

WHAT IS DRIVING THE 407 TRANSITWAY PROJECT?

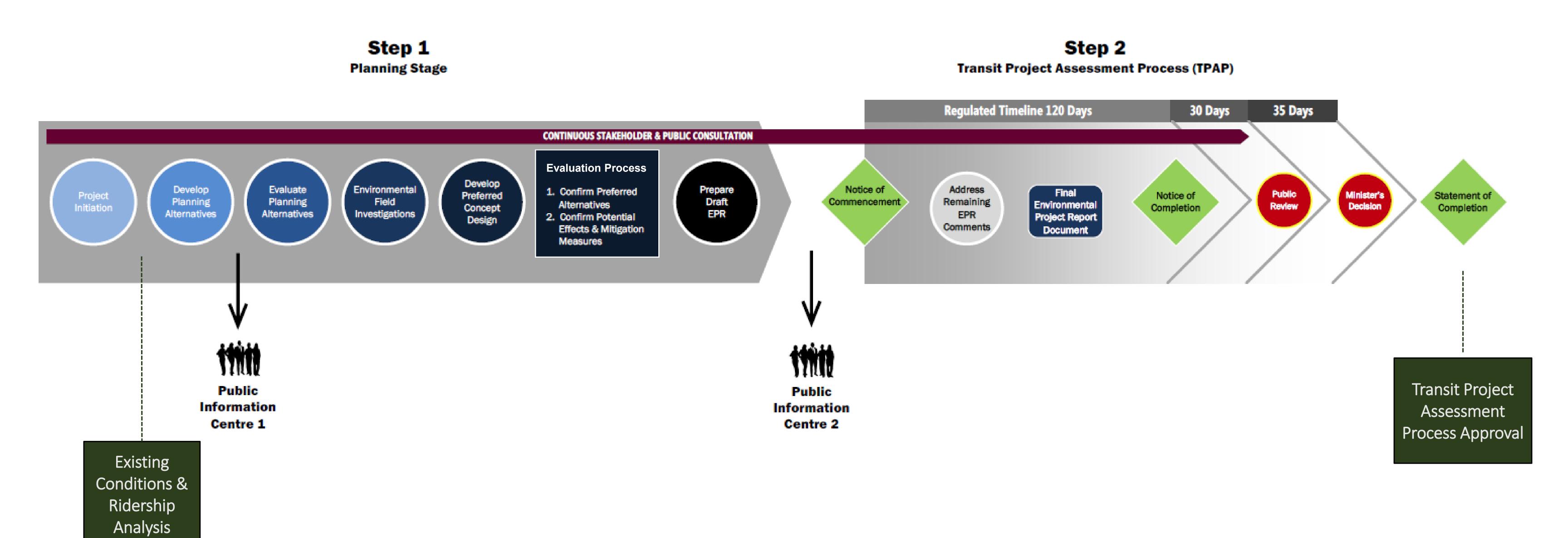


- The 407 Transitway will support current and future Greater Toronto and Hamilton Area rapid transit policies and initiatives.
- It will enhance east-west cross-regional mobility and increase transit capacity to meet forecasted travel demand.
- It will offer a viable, cost-effective way of moving people in the Highway 407 corridor.
- It will improve accessibility to existing/planned major urban centres/nodes, post secondary educational institutions, and other places of high demand.
- It will increase integration with regional transportation networks.
- It will reduce automobile dependence and green house gas emissions.
- It will alleviate congestion on west to east highways and major arterial roads through the Greater Toronto Area.
- The project builds on extensive work completed to date and will define the Transitway footprint and property requirements, address environmental impacts and receive Environmental Assessment Approval.



STUDY SCHEDULE & PROCESS





2018



SERVICE CONCEPT



Operating Concept:

- **Spine services** line haul services that operate exclusively on the Transitway, including some express routes, to connect to destinations on other portions of the Transitway.
 - e.g. Dundas Station to Hurontario Street Station or to Spadina Subway 407 Station (which will also be the 407 Transitway Jane Station).
- **No-transfer services (Interlining)** designed to provide oneseat rides between major nodes and residential areas. Routes include portions both on and off the Transitway.
 - e.g. Sheridan College to Dundas Station using the 407 Transitway guideway from Trafalgar Road Station to Burlington GO Station.
- Early Transitway station implementation Transitway stations are being implemented in advance to support ongoing GO bus transit service on 407 ETR at Trafalgar Road (existing), Bronte Road and Dundas Street (in planning).
- Average speed on Transitway including station stop time of between 50-65 km/h depending on service and station node configuration.

Nodes served by this Transitway section:

- Urban Growth Centres (Hamilton, Oakville, Milton, and Mississauga City Centre).
- Transit Connections (GO Bus and Rail, MiWay, Brampton Züm, TTC).



RIDERSHIP PROJECTIONS



2041 AM Peak Hour Ridership on 407 Transitway, from Burlington to Hurontario:

 Peak load is 3,100 eastbound from Trafalgar Road and Derry Road stations.



ENVIRONMENTAL CONDITIONS



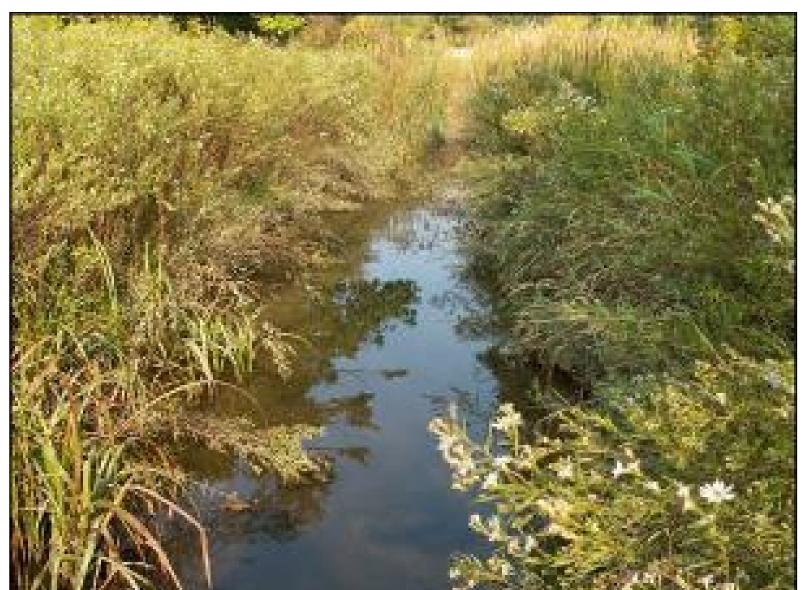
Existing Conditions within the Area of Investigation Based on Available Information:

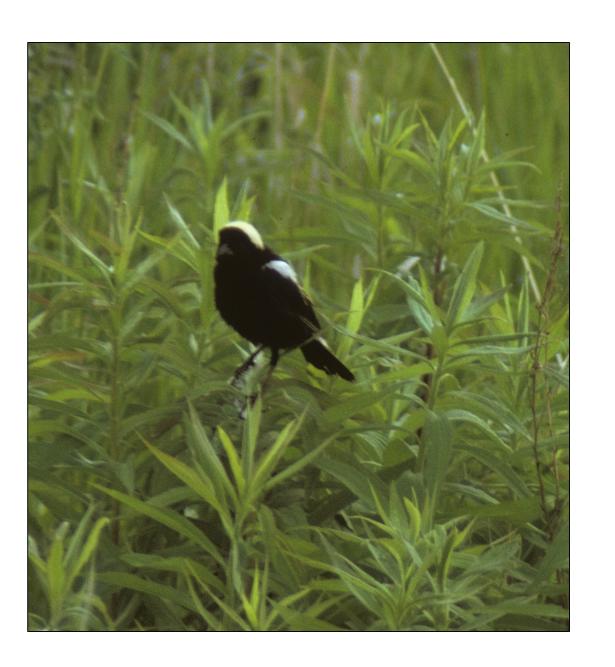
- 13 main watersheds. 23 watercourse crossings potentially impacted.
- Species at risk a list of species at risk that have the potential to be present was obtained from MNRF. Field investigations will confirm habitat and species presence.
- Three regionally significant Environmentally Sensitive Areas (ESAs):
 Nelson Escarpment Woods, Bronte Creek Valley and Sixteen Mile
 Creek Valley ESAs. Two candidate ESAs: Drumquin Woods and
 Trafalgar Moraine.
- Two Provincially Significant Wetland (PSW) complexes: North Oakville-Milton East and North Oakville-Milton West PSWs.
- Two Areas of Natural and Scientific Interest (ANSI): Zimmerman Valley Life Science and Trafalgar Moraine Earth Science. Two candidate ANSIs: Sixteen Mile Creek Life Science and Oakville-Milton Wetlands and Uplands Life Science
- Presence of previously registered archaeological sites and cultural heritage sites.

Environmental Field Investigations, Impact Assessment and Development of Protection/Mitigation Measures to Occur in 2018 and 2019:

- Natural Sciences (fisheries and terrestrial ecosystems)
- Landscape Composition
- Archaeology
- Cultural Heritage
- Noise
- Air Quality
- Groundwater
- Contaminated Property and Waste
- Land Use/Socio-Economics
- Hydrology
- Erosion and Sediment Control



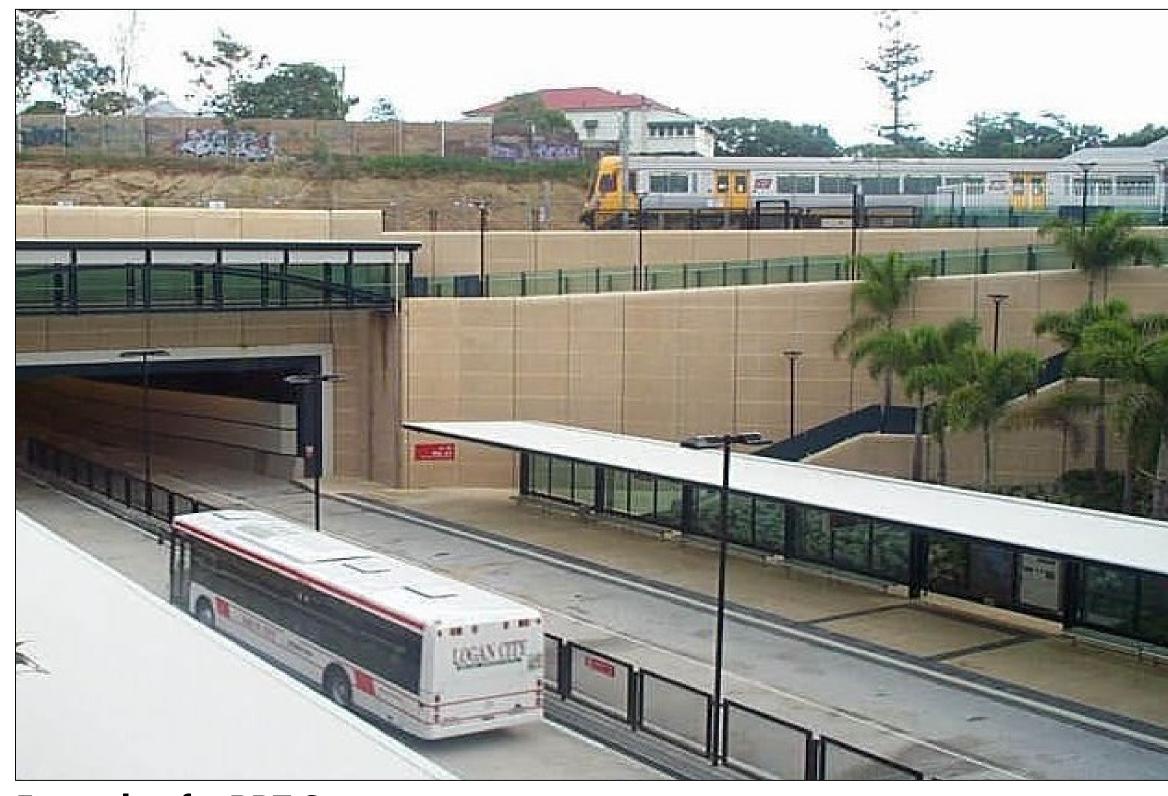




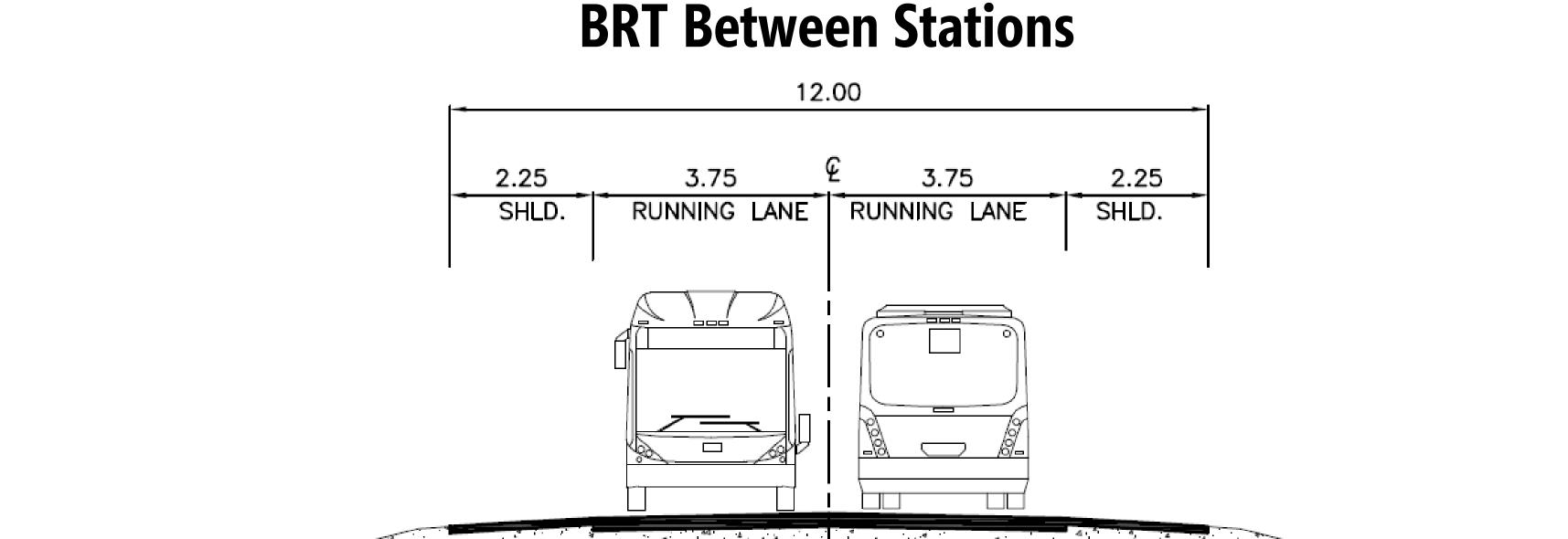
407 TRANSITWAY INFRASTRUCTURE CHARACTERISTICS



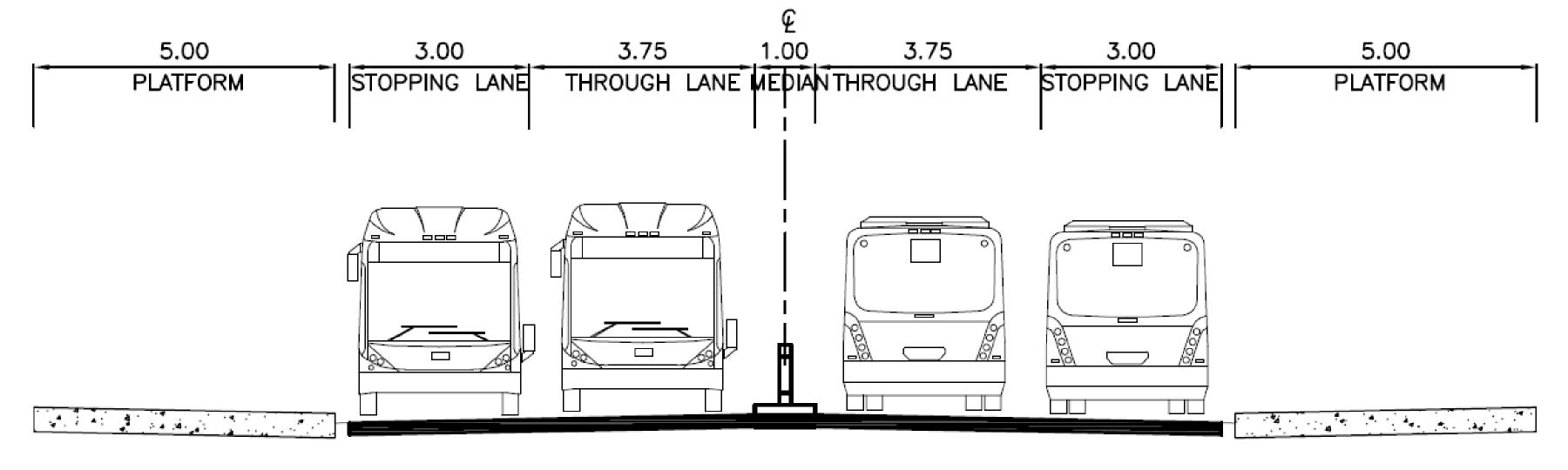
- The design will protect for Bus Rapid Transit (BRT) or Light Rail Transit (LRT) operation.
- Infrastructure includes runningway, stations (park and ride, passenger pick-up/drop-off, and transit interface facilities), and maintenance and storage facilities.
- Runningway BRT cross-section:
 - Between Stations 12 m
 (2 x 3.75m lanes + 2 x 2.25m shoulders)
 - Through Stations 14 m
 (2 x 3.75m lanes + 2 x 3m stopping lanes)



Example of a BRT System



BRT Through Stations



IDENTIFICATION OF PLANNING ALTERNATIVES



Review of 2005
MTO Corridor
Protection
Study

Review of Current and Future Plans

Ridership Study
& Desktop
Existing
Environmental
Conditions

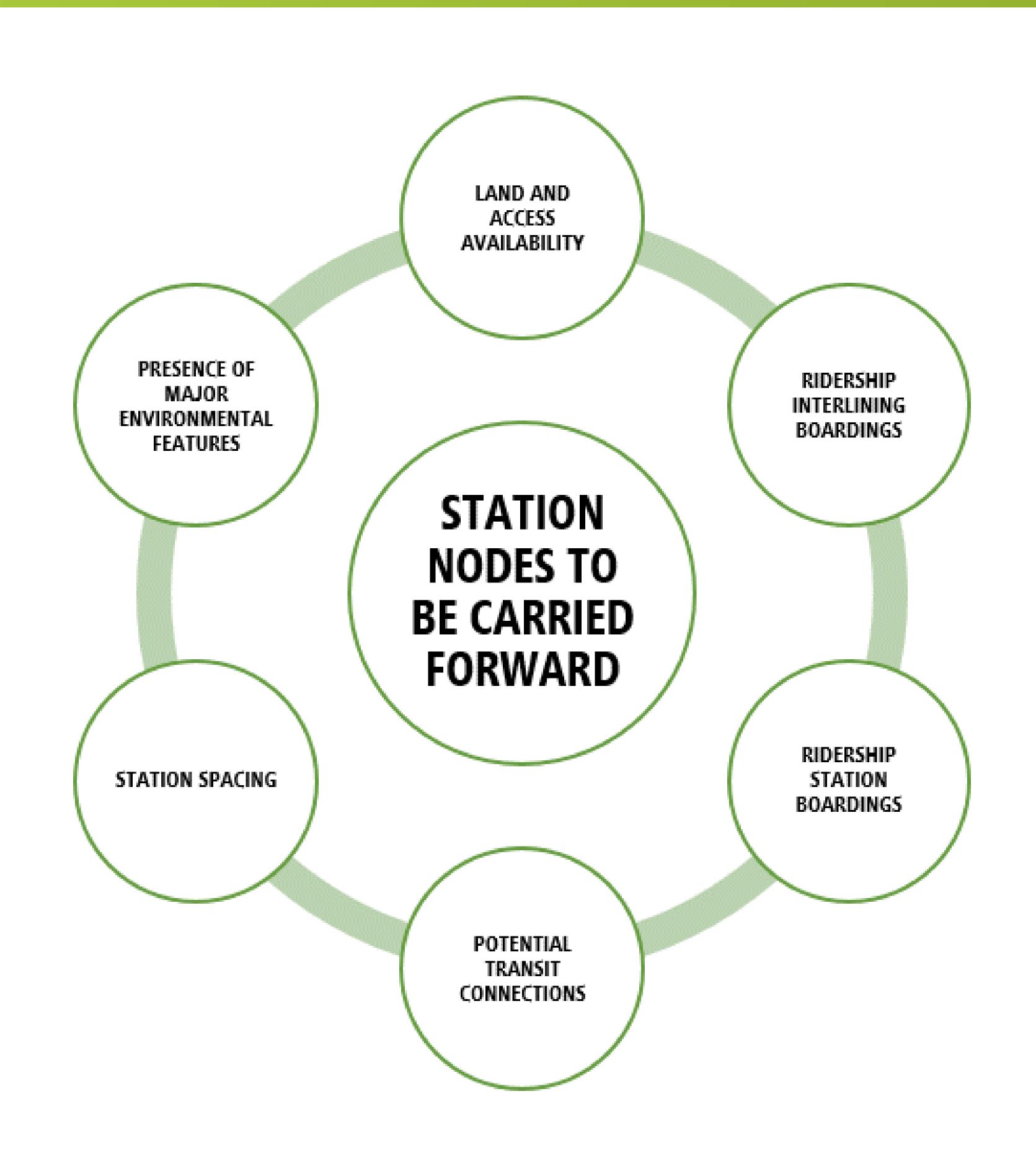
Identification of Initial
Alignment and
Station Site
Alternatives

Initial
Consultation
(TRG & PIC's)

Confirmation of Initial
Alignment and Station
Alternatives

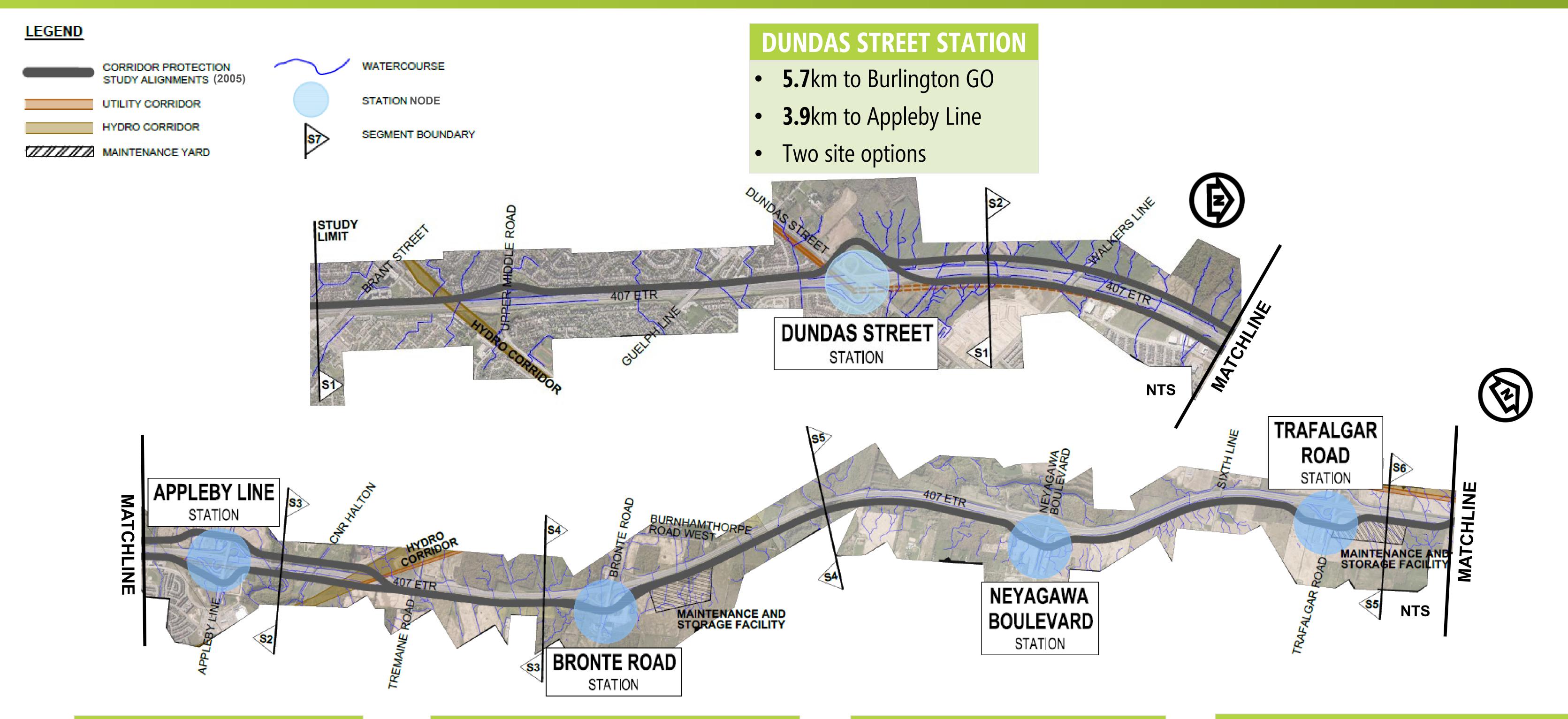
EVALUATION OF STATION NODES CRITERIA





CORRIDOR PROTECTION STUDY (CPS) ASSESSMENT AND SCREENING OF STATION NODES





APPLEBY LINE STATION

- 3.9km to Dundas Street
- 4.2km to Bronte Road
- Two site options

BRONTE ROAD STATION

- 4.2km to Appleby Line
- **4.9**km to Neyagawa Blvd
- Two site options
- Proximity to GO Bus Park and Ride

NEYAGAWA BLVD STATION

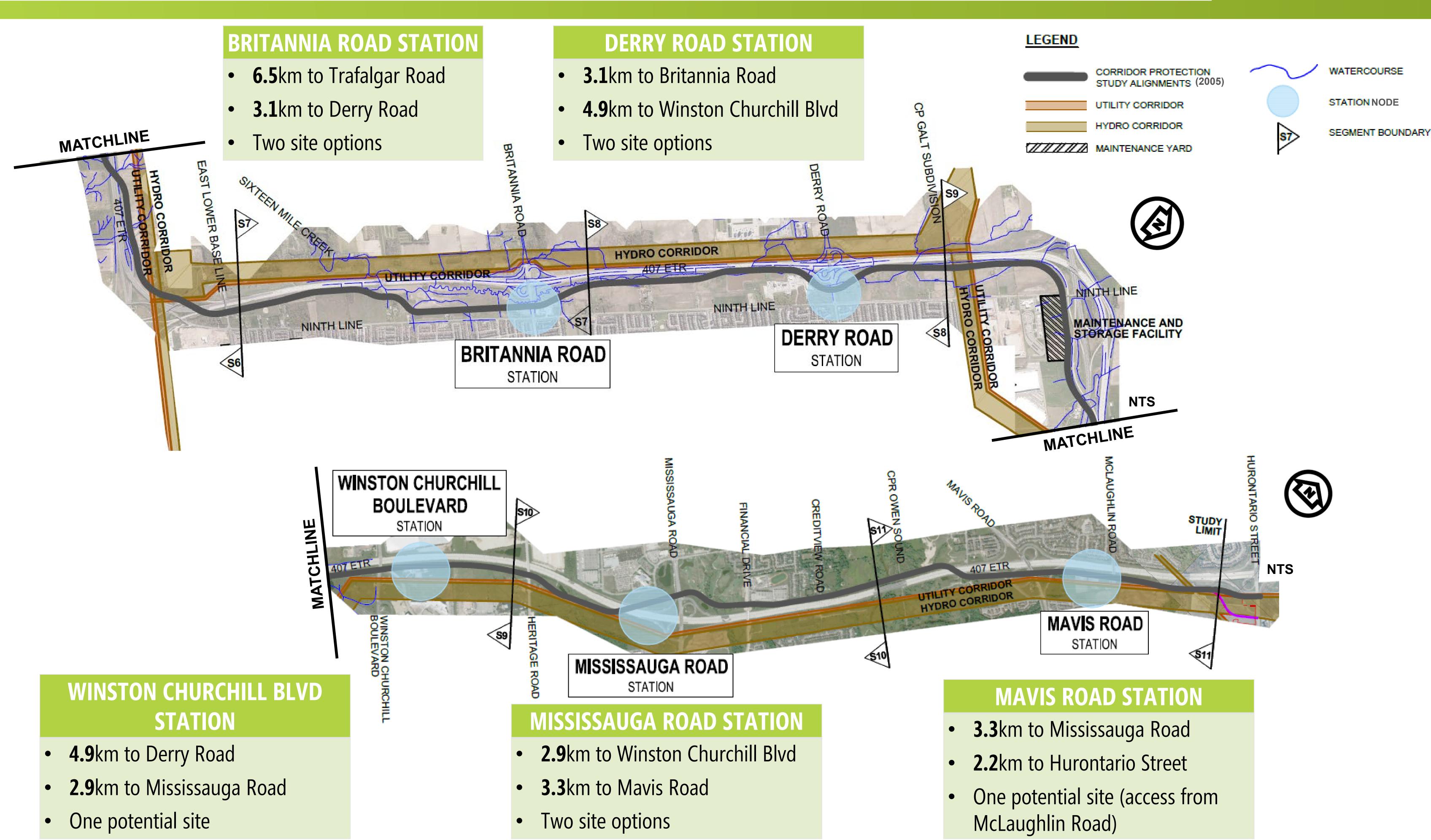
- 4.9km to Bronte Road
- **3.1**km to Trafalgar Road
- One potential site

TRAFALGAR ROAD STATION

- 3.1km to Neyagawa Blvd
- 6.5km to Britannia Road
- One potential site
- Proximity to GO Bus Park and Ride

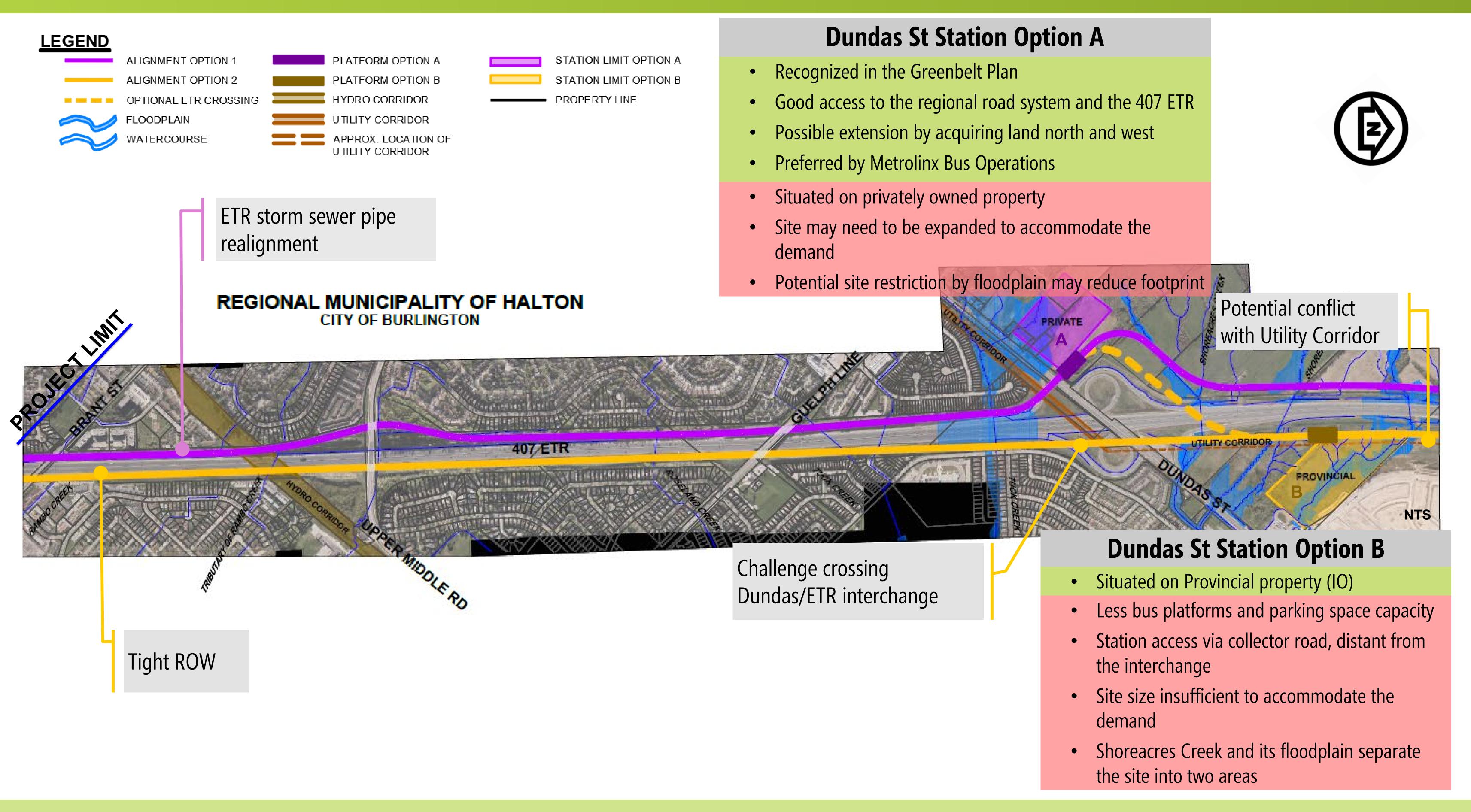
CORRIDOR PROTECTION STUDY (CPS) ASSESSMENT AND SCREENING OF STATION NODES





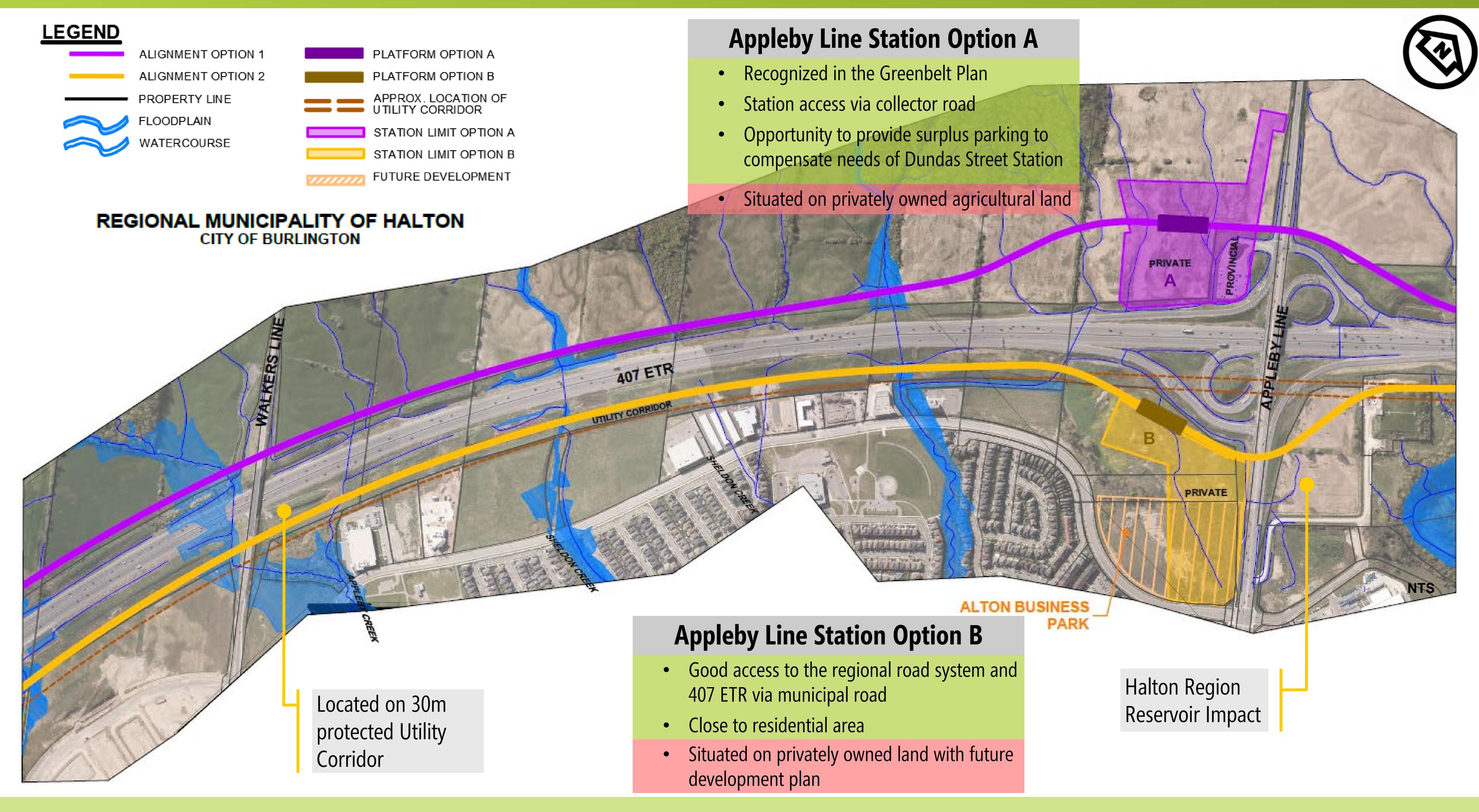
Segment S1: East of Brant St to East of Dundas St





Segment S2: East of Dundas St to East of Appleby Line

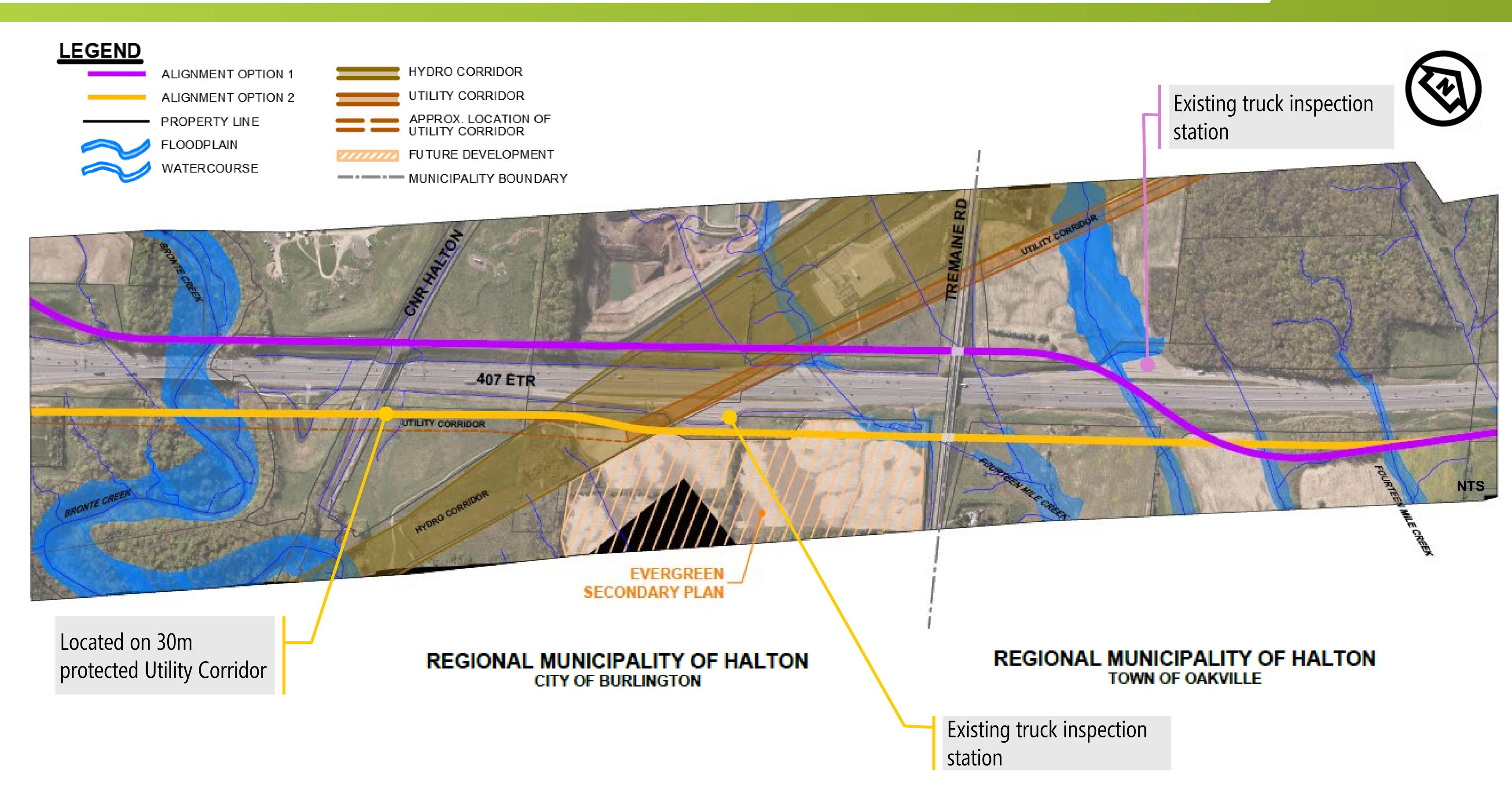




Initial Recommendation: All alignment alternatives and station options being carried forward for further analysis

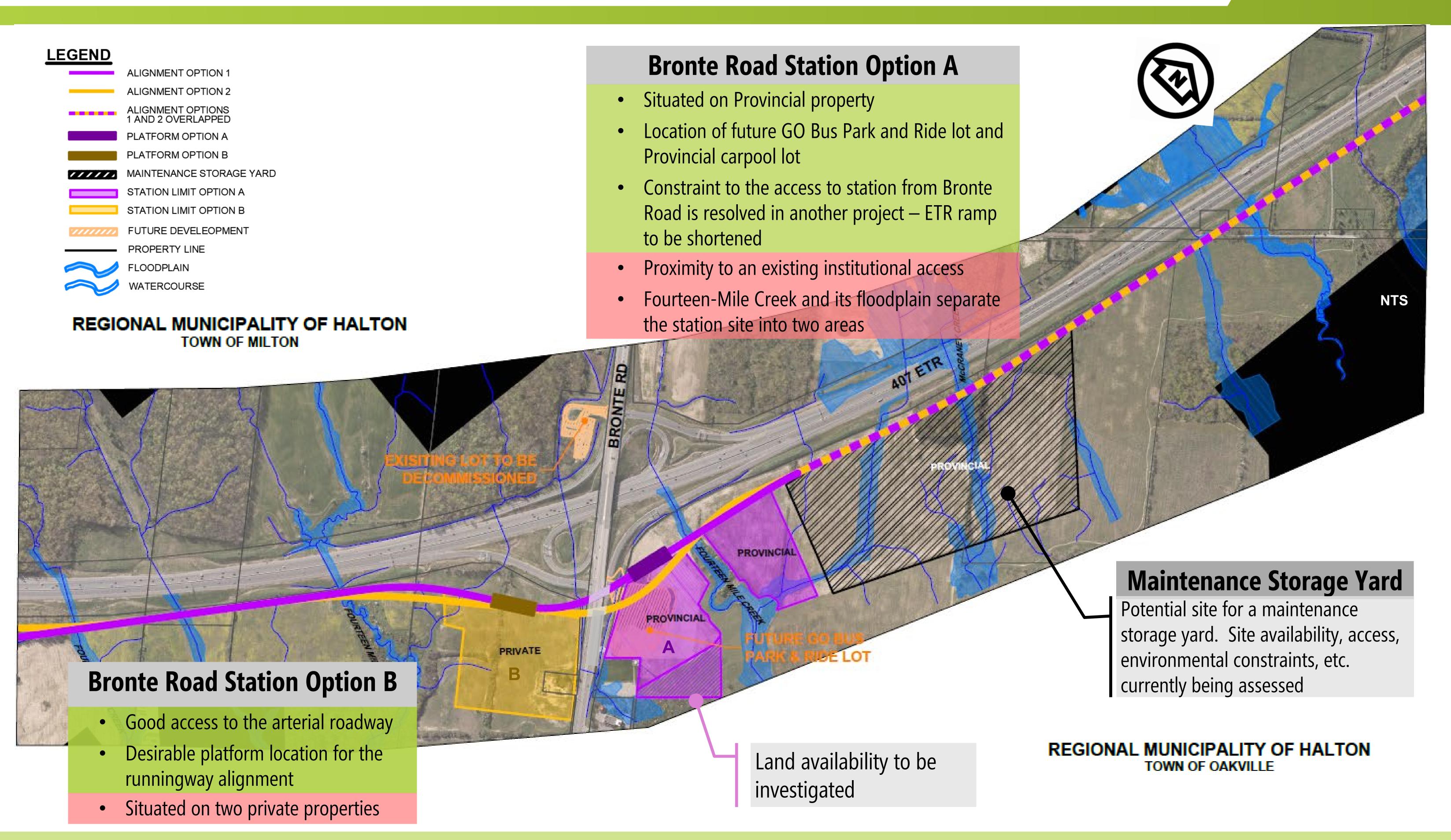
Segment S3: East of Appleby Line to East of Tremaine Rd





Segment S4: East of Tremaine Rd to East of Bronte Rd

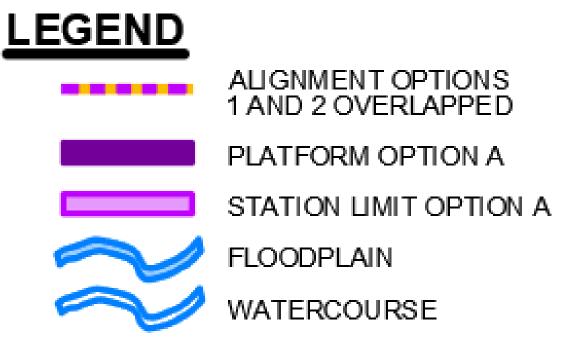




Initial Recommendation: All alignment alternatives and station options being carried forward for further analysis

Segment S5: East of Bronte Rd to East of Trafalgar Rd







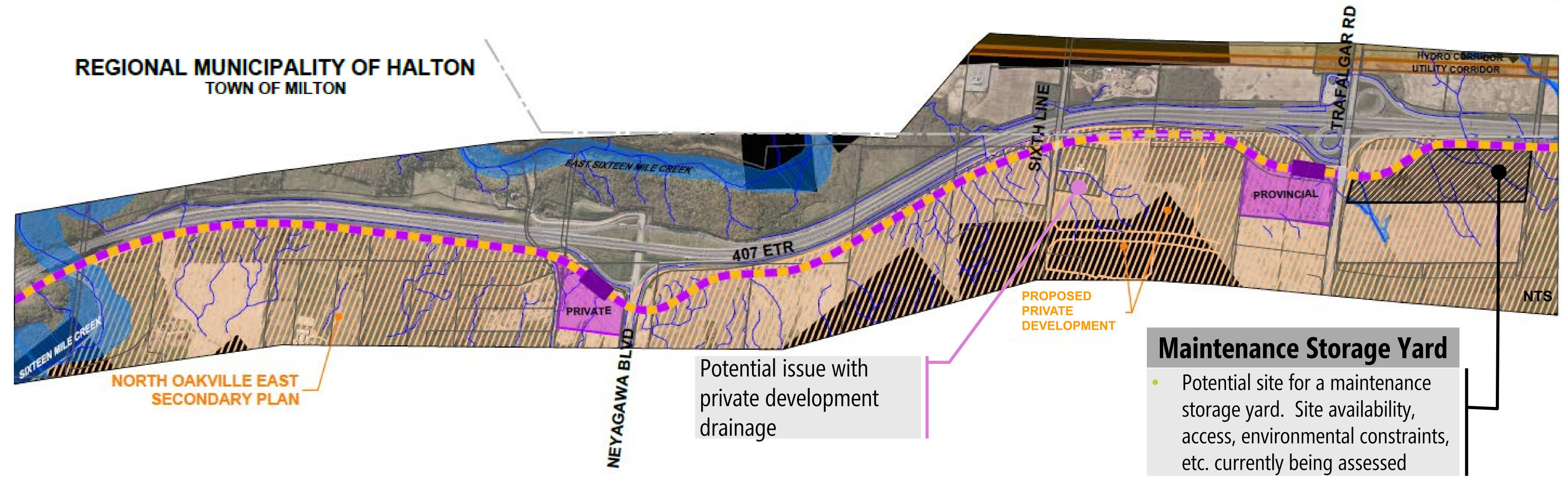
Neyagawa Blvd Station Option

- Direct access to the station via Neyagawa Blvd
- Potential extension of Neyagawa Blvd and future development
- Located on private property

Trafalgar Road Station Option

- Direct access to the station via Trafalgar Road
- Situated on Provincial property (MTO)
- Existing GO Park and Ride lot on site
- Additional Provincial lands beyond the protected footprint may be needed to meet demand

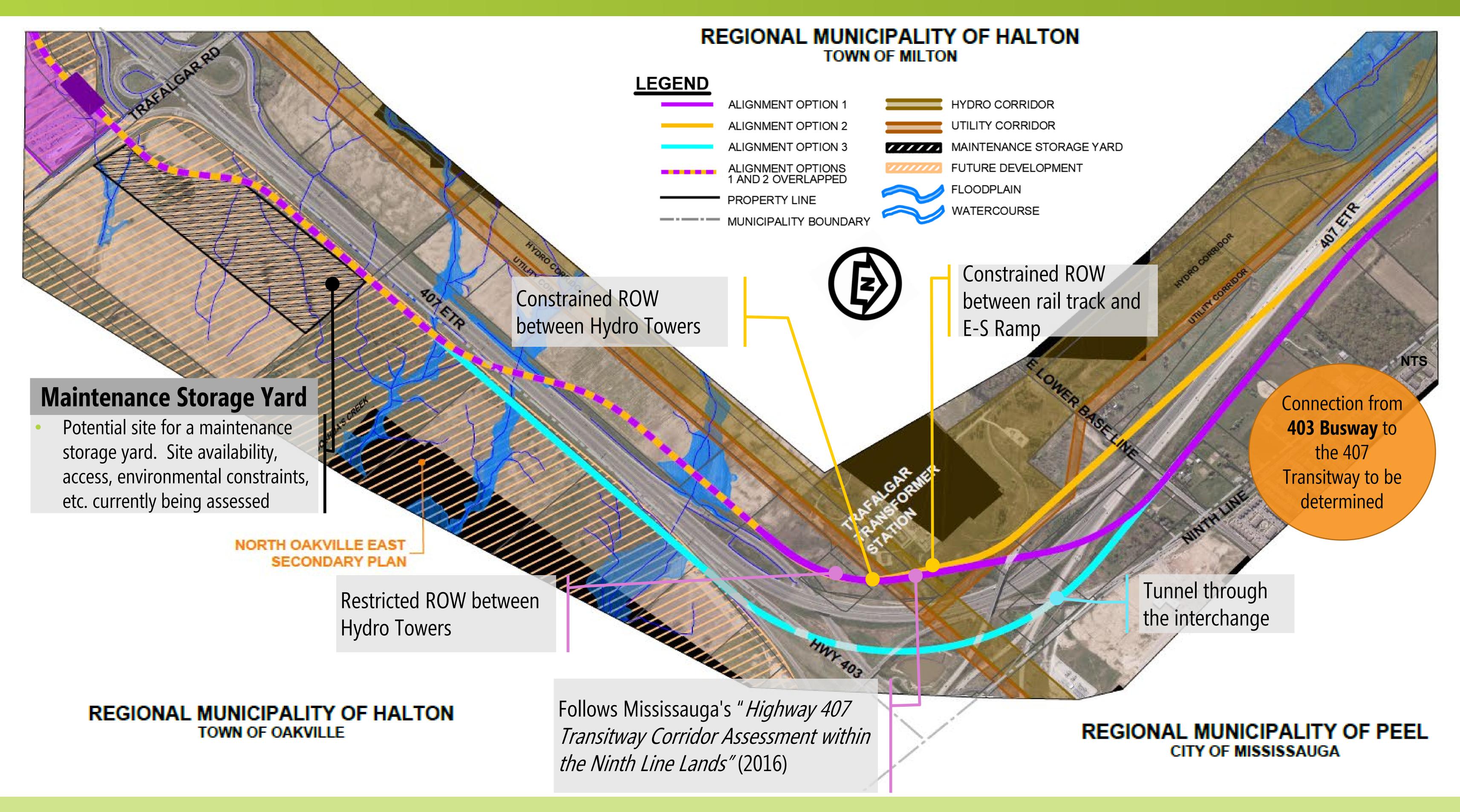




REGIONAL MUNICIPALITY OF HALTON TOWN OF OAKVILLE

Segment S6: East of Trafalgar Rd to East of Lower Base Line





Initial Recommendation: All alignment alternatives and station options being carried forward for further analysis

Segment S7: East of Lower Base Line to North of Britannia Rd





ALIGNMENT OPTION 1 ALIGNMENT OPTION 2 ALIGNMENT OPTIONS 1 AND 2 OVERLAPPED FLOODPLAIN



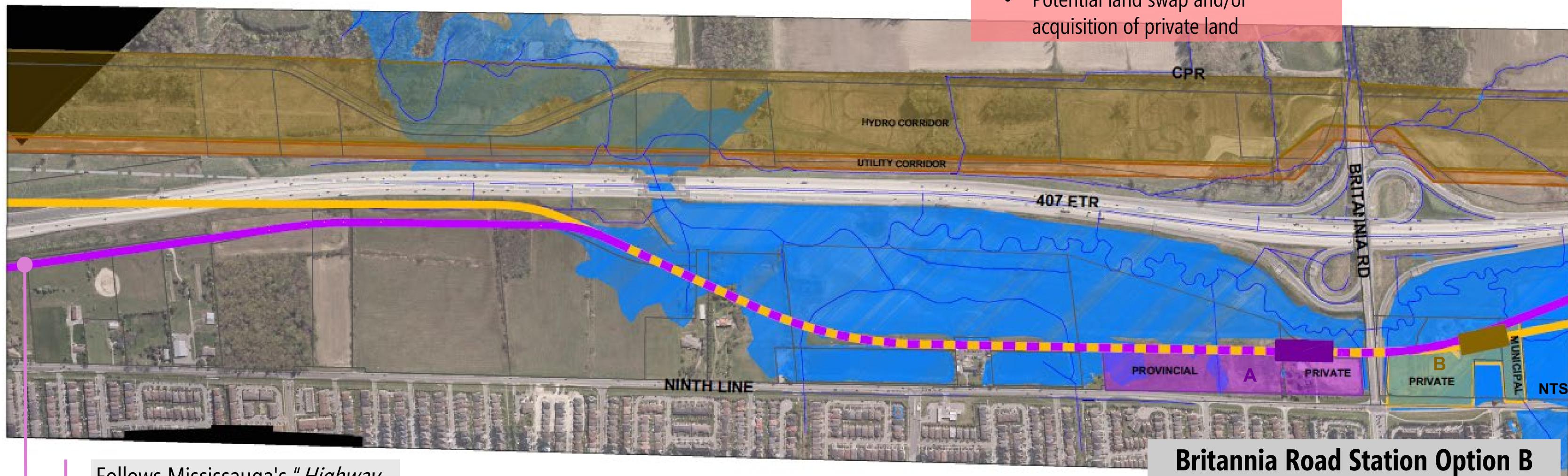


REGIONAL MUNICIPALITY OF HALTON TOWN OF MILTON

Britannia Road Station Option A

- Direct access to the station via Ninth Line
- Partially on Provincial property
- Potential land swap and/or





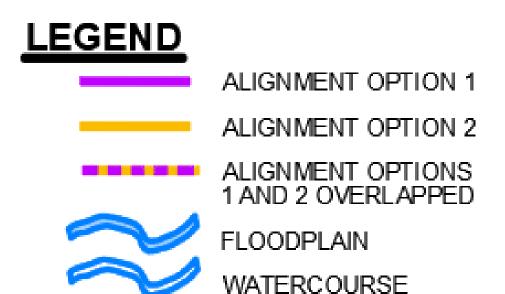
Follows Mississauga's "Highway 407 Transitway Corridor Assessment within the Ninth Line *Lands*"(2016)

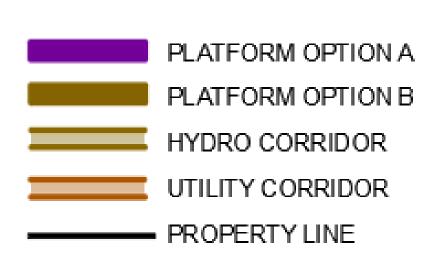
REGIONAL MUNICIPALITY OF PEEL CITY OF MISSISSAUGA

- Direct access to the station via Ninth Line
- Partially on Municipality owned property
- Site size insufficient to accommodate the demand
- Whole site on floodplain

Segment S8: North of Britannia Rd to North of Derry Rd







STATION LIMIT OPTION A STATION LIMIT OPTION B MUNICIPALITY BOUNDARY

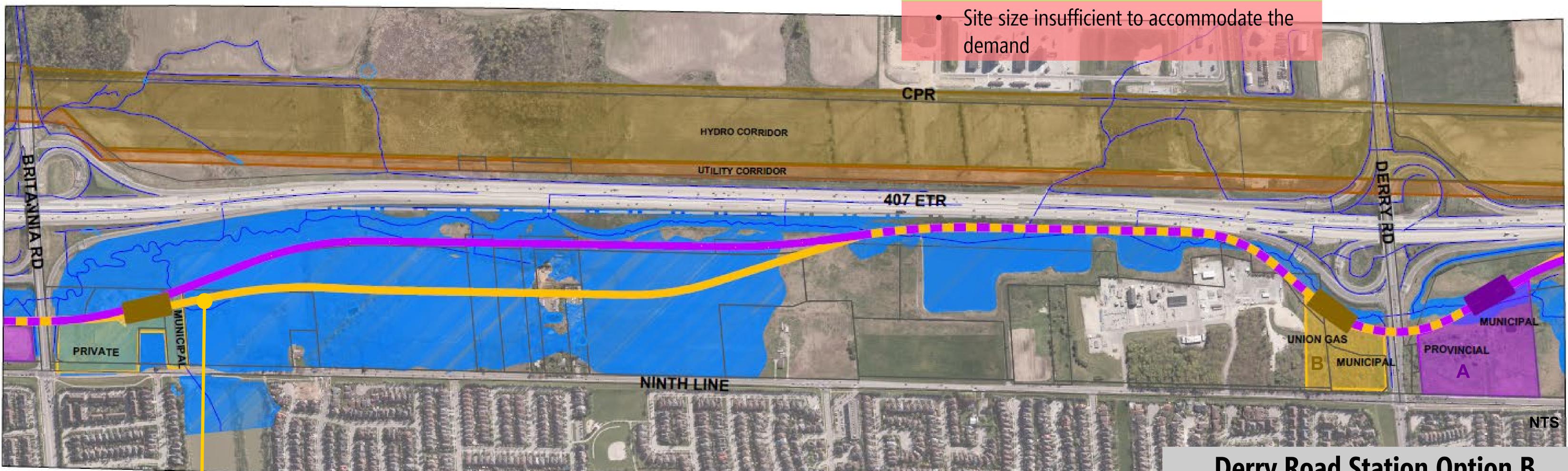
REGIONAL MUNICIPALITY OF HALTON TOWN OF MILTON

Derry Road Station Option A

Direct access to the station via Ninth Line

 On Province and Municipality owned properties





Follows Mississauga's "Highway 407 Transitway Corridor Assessment within the Ninth Line Lands" (2016)

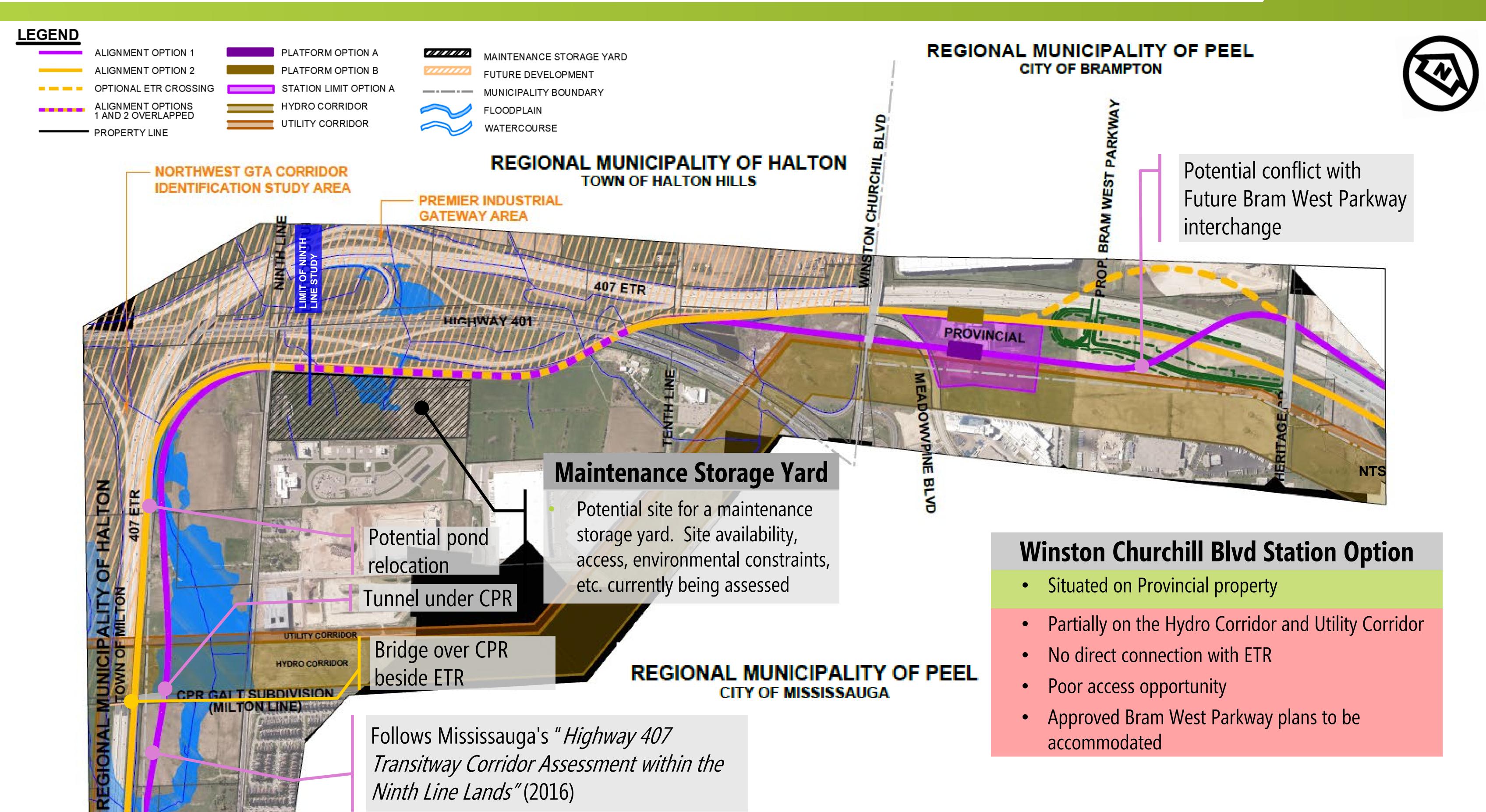
REGIONAL MUNICIPALITY OF PEEL CITY OF MISSISSAUGA

Derry Road Station Option B

- Direct access to the station via Ninth Line
- Partially on Union Gas owned property
- Site size insufficient to accommodate the demand

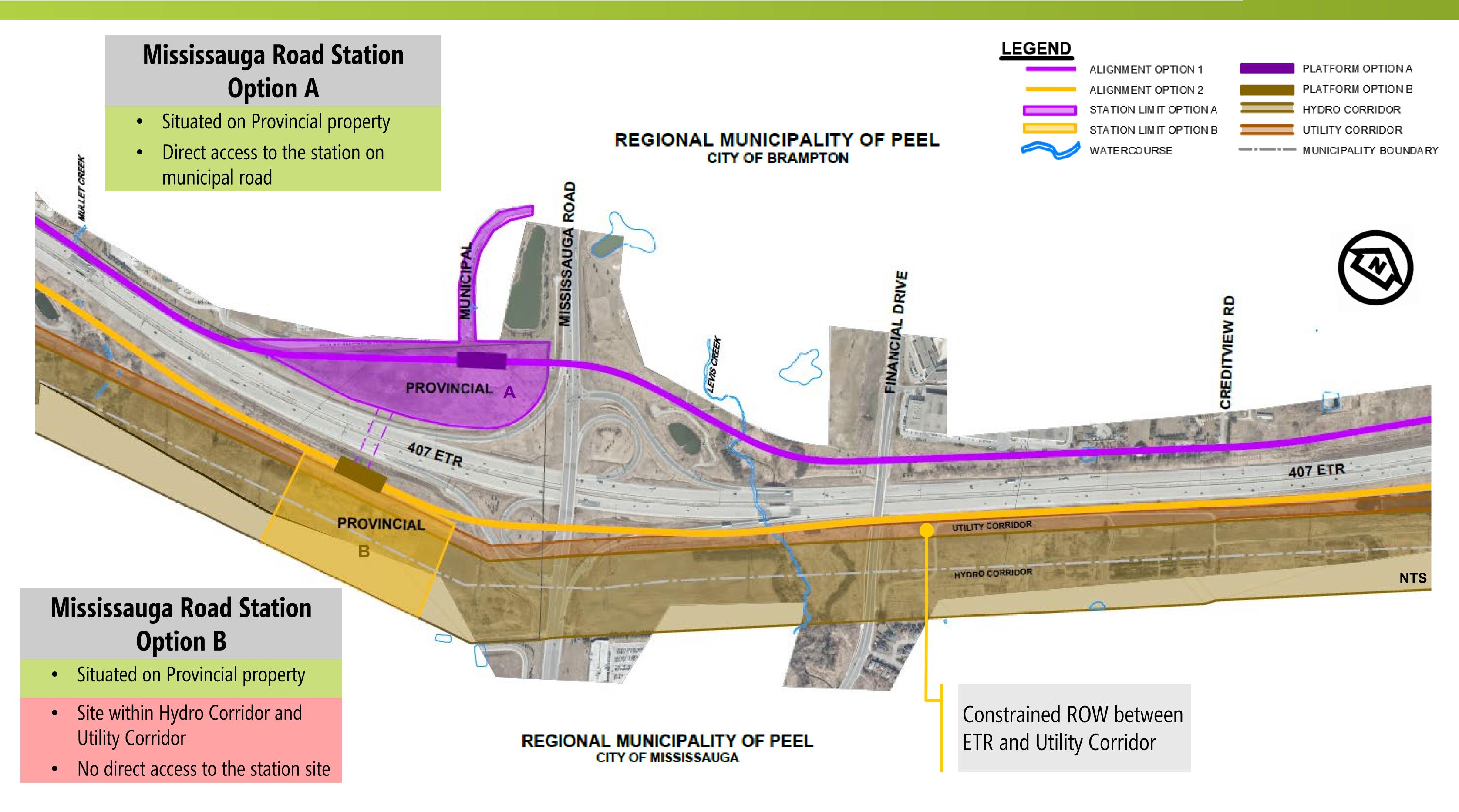
Segment S9: North of Derry Rd to West of Heritage Rd





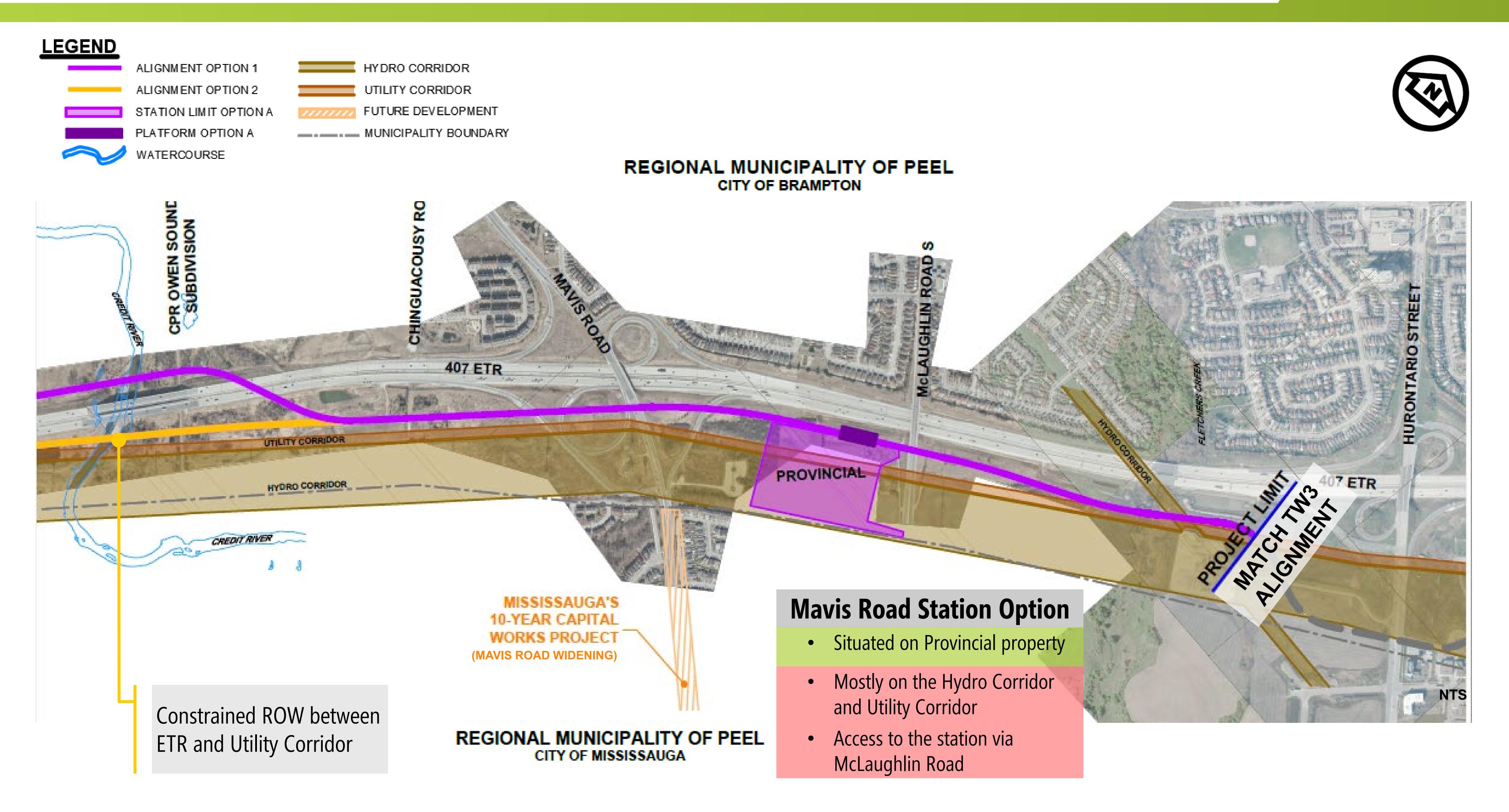
Segment S10: West of Heritage Rd to East of Creditview Rd





Segment S11: East of Creditview Rd to West of Hurontario St



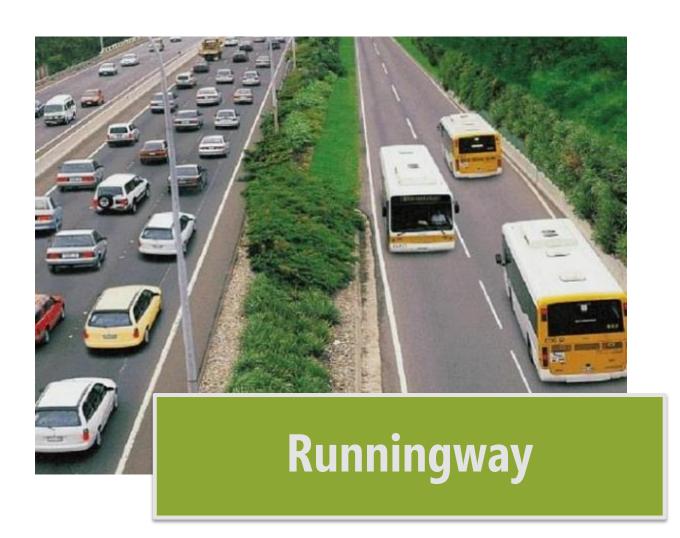


NEXT STEPS



Confirm preferred alignment and station alternatives through a full evaluation based on the following:

- Consultation with Stakeholders and the Public.
- Detailed Field Investigations.
- Traffic Impact Study.
- Station Functionality and Design Elements Evaluation.
- Constructability Assessment.
- Full Evaluation to develop a preferred Alternative.

















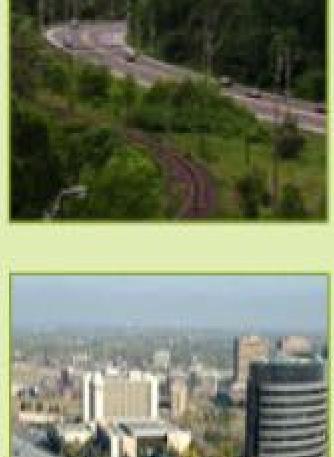
ENVIRONMENT

EVALUATION OF ALIGNMENT AND STATION SITE ALTERNATIVES CRITERIA



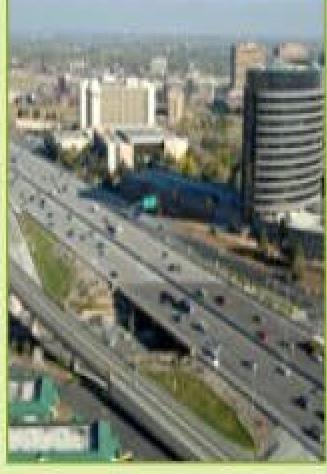
NATURAL

- Potential Effects on Natural Heritage Resources
- Potential Effects on Environmentally Significant Landforms/Features
- Potential Effects on Geology and Hydrogeology
- Potential Effects on Species/Habitats at Risk



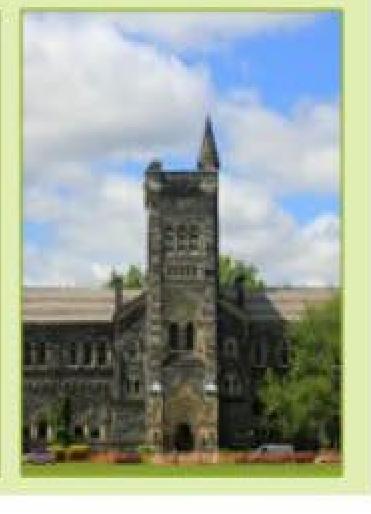
SOCIO-ECONOMIC

- Private Property Impacts
- Land Use Compatibility with Provincial and Municipal Plans and Policies
- Potential Effects on Adjacent Noise Sensitive Areas
- Impacts to Prime Agricultural Lands



CULTURAL

- Known Presence of Archaeological Potential
- Potential Impacts to Known Indigenous Lands
- Potential Effects on Cultural/Built Heritage



TRANSITWAY OPERATION

- Transitway Alignment (Safety, Ride Comfort, Travel Time)
- Suitability for Staged Implementation



TRANSPORATION ACCESS

- Impact to 407 ETR Operation
- Interlining Opportunity
- Platform Connection and Transit Connectivity
- Alignment Geometry
- Impact to Hydro/Utility Infrastructure



STATION SITE AREA

Site Area and Opportunity to Expand



CONSTRUCTABILITY AND COST

- Major Constructability Issues
- Qualitative Cost Assessment



FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY AND TEAM CONTACTS



Information will be collected in accordance with the Freedom of Information and Protection of Privacy Act.

Comments and information regarding this study are being collected to assist the MTO in carrying out the study and meeting the requirements of the *Ontario Regulation 231/08 Transit Project & Metrolinx Undertakings*. This material will be maintained on file for use during the project and may be included in project documentation. With the exception of personal information, all comments will become part of the public record.

You are encouraged to contact the project team if you have questions or concerns regarding this study.

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Thank you for your participation in this project.

Website: 407Transitway.com