



Highway 5

Dundas Street East

Highway 6

## **Welcome to the Public Information Centre**

# **New Highway 5/Highway 6 Interchange and Associated Municipal Roads, Cities of Hamilton and Burlington**

**May 23, 2024  
4:00 P.M. to 8:00 P.M.**

## Land Acknowledgement

The Ministry of Transportation (MTO) would like to acknowledge that MTO's Central Region as well as the Highway 5/Highway 6 Interchange project is geographically located in an area that is rich in Indigenous history, and that there are many groups, that have resided in, and travelled through the region since time immemorial. MTO encourages attendees of this PIC to learn whose traditional territory in which their home and work are located.

For this project, we acknowledge the presence of the Haudenosaunee people of Six Nations, as well as the Anishinaabe people of Mississaugas of the Credit First Nation within the project area.

# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## **Purpose**

The Ontario Ministry of Transportation (MTO) has retained Arcadis (formerly IBI Group) to complete a Detail Design and Class Environmental Assessment Study for construction of a new interchange at the Highway 5/Highway 6 intersection and associated municipal roads.

The purpose of this Public Information Centre (PIC) is to present the design of the proposed Highway 5/Highway 6 Interchange, associated municipal roads, new commuter parking lot, and pavement rehabilitation of Highway 6 from the Bruce Trail culvert southwards to the Highway 403/Highway 6 Interchange.

## **Impacts to Property**

If you have questions about potential impacts of this project to your property, please speak to the MTO Property staff after you have reviewed the display panels.

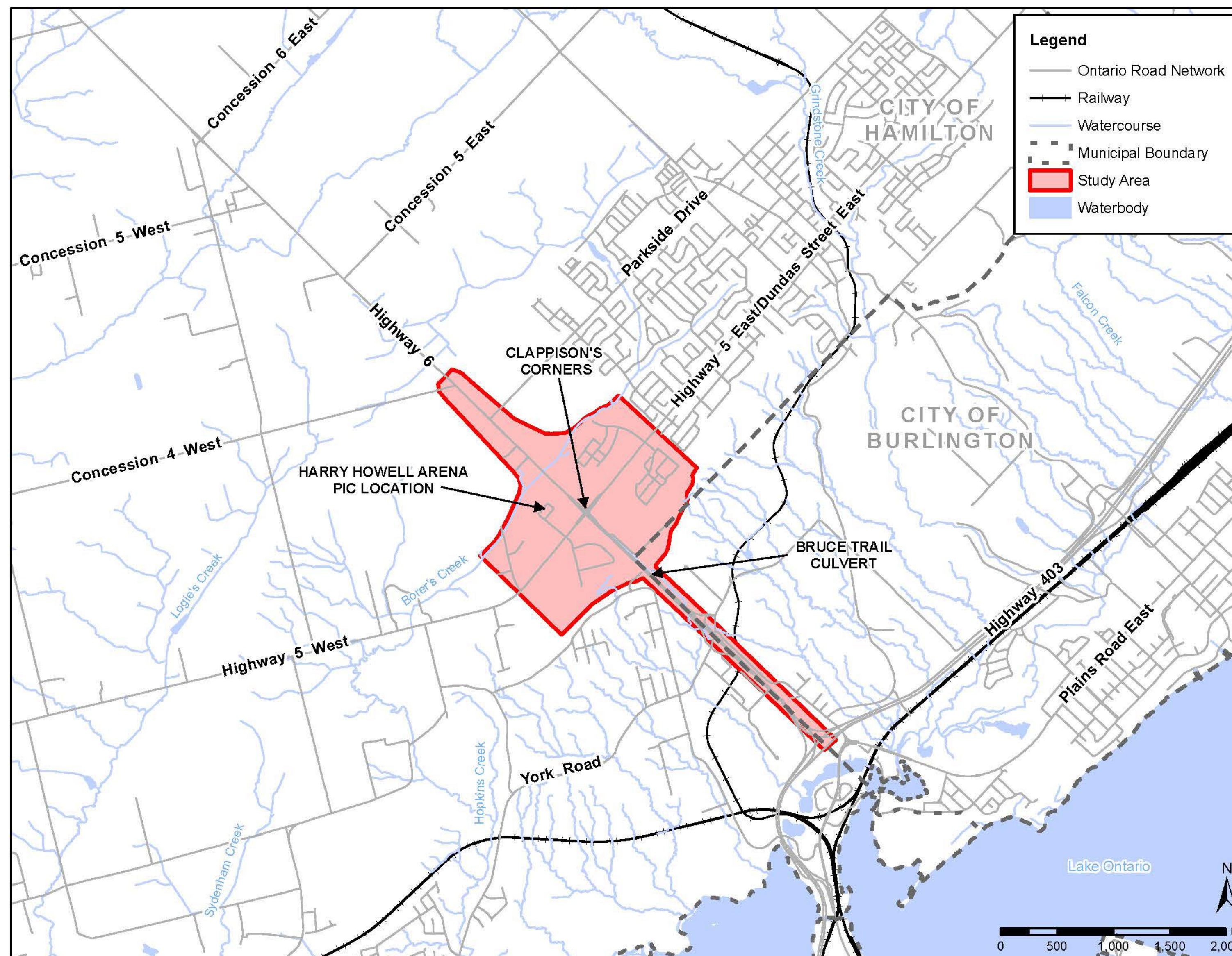
## **Comments**

The Project Team is interested in receiving input on the project. Please review the display panels and discuss any aspects of the project with the Project Team.

# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Project Area

The Project is located at the intersection of Highway 5 and Highway 6 (known as Clappison's Corners), located in the Cities of Hamilton and Burlington.



## Project Process

This Project is following the approved planning process for Group “B” projects under the MTO Class Environmental Assessment for Provincial Transportation Facilities (2000), with the opportunity for input from Indigenous communities, stakeholders and the public throughout the Project.

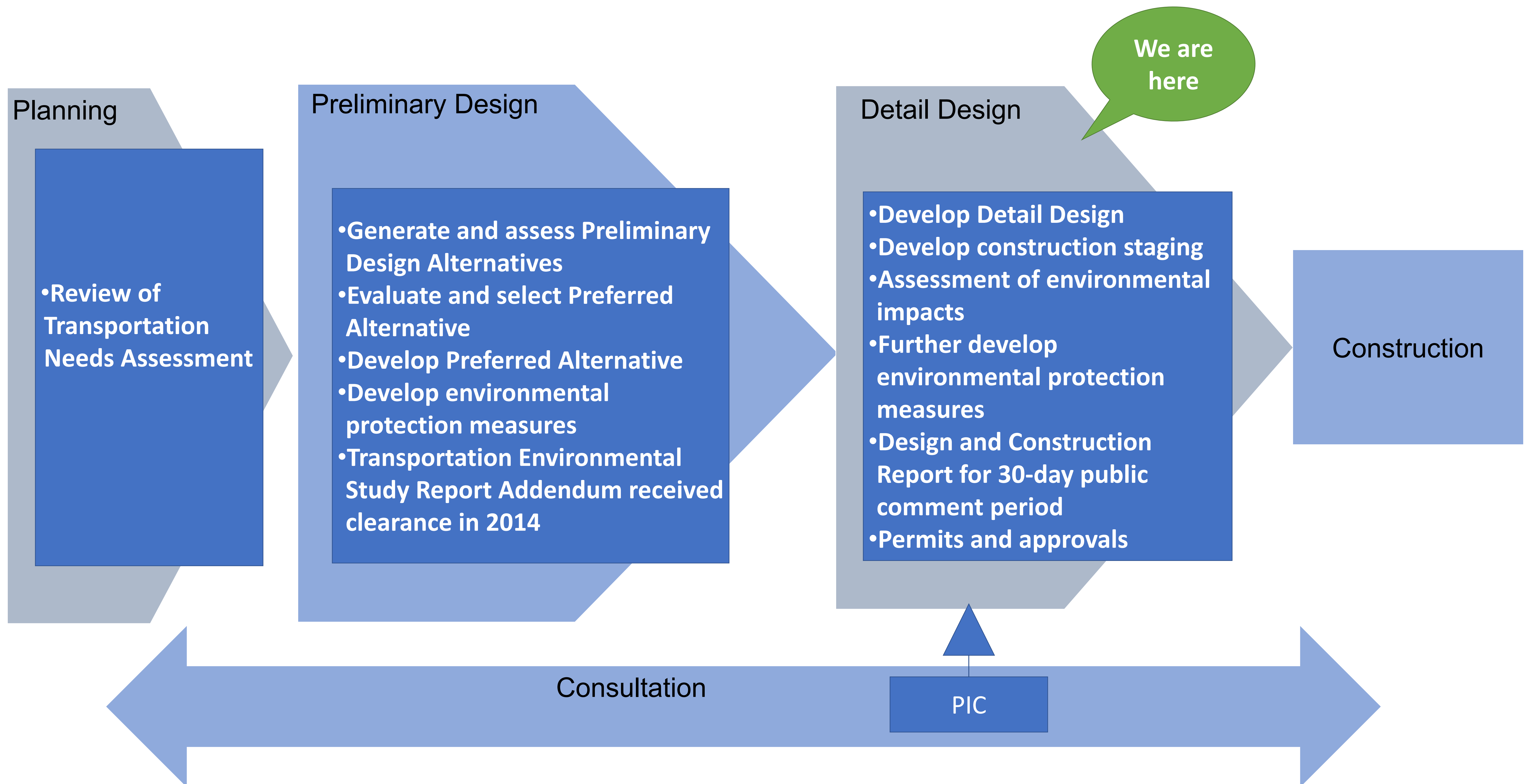
A Transportation Environmental Study Report (TESR) was completed in April 2003 and a TESR Addendum was completed in December 2013 to document the preliminary design, as well as the need and justification for the Project.

We are now in the Detail Design Phase for this Project further refining the recommended Preliminary Design. A Design and Construction Report (DCR) will be prepared to document the development and results of the Detail Design and Environmental Assessment. The DCR will be available for a 30-day public comment period. A notice of DCR publication will be published in local newspapers and mailed to contacts on the project mailing list.

Information produced as part of this Project will also be available on the Project’s website at [hwy5andhwy6interchange.ca](http://hwy5andhwy6interchange.ca)

# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## CLASS ENVIRONMENTAL ASSESSMENT PROCESS



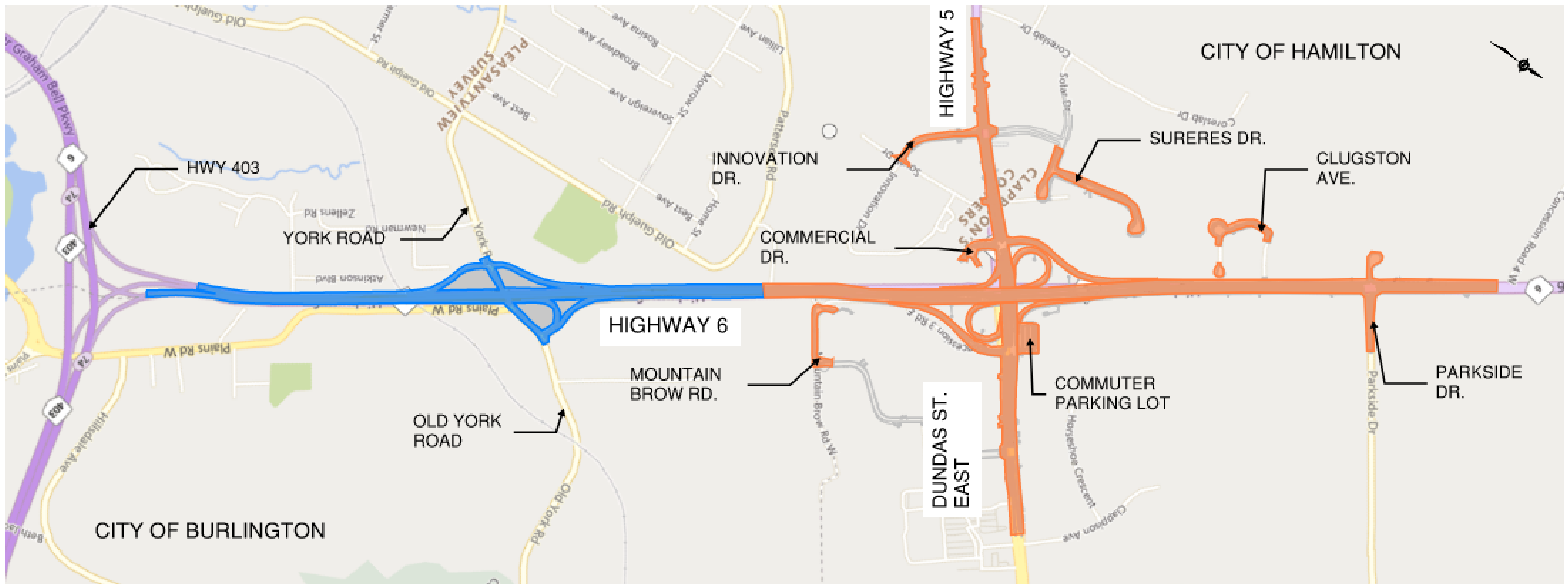
## Detail Design – Project Description

Please see design plans displayed on the tables in this room. Proposed works include:

- realignment of Highway 6 slightly to the east in the vicinity of the Highway 5 and Highway 6 intersection;
- realignment of Highway 5 slightly to the north in the vicinity of the Highway 5 and Highway 6 intersection;
- new interchange ramps and a new Highway 5 over Highway 6 interchange bridge structure, as part of the new Highway 5 and Highway 6 Interchange;
- provisions for future widening of Highway 6;
- construction of a concrete median barrier (Tall Wall) along Highway 6 within the project limits;
- installation of new roadway lighting using high mast poles and conventional poles within the project limits;
- new traffic signals associated with the new interchange and intersection improvements within the project limits;
- construction of a turning bulb on the west side of Highway 6 opposite to Parkside Drive;
- construction of headwalls and culvert extension at the twin cell box culvert under Highway 6 at Borer's Creek;
- construction of other culvert replacements and extensions;
- construction of storm sewer and open ditch drainage systems within the interchange limits;
- construction of paved shoulders on Highway 6 within the project limits;
- construction of concrete curb and gutter along Dundas Street East and Highway 5 within the project limits;
- construction of Municipal roads in the vicinity of the proposed new Highway 5 and Highway 6 Interchange;
- construction of Multi-Use-Paths (MUPs) on the north side and on the south side of Dundas Street East and on Highway 5 within the project limits;
- construction of a new commuter parking lot in the northeast quadrant of the interchange;
- utility relocations to be completed in advance of construction of the interchange and associated municipal roads; and
- pavement rehabilitations of Highway 6 from Bruce Trail Culvert southwards to the north limit of Highway 403/Highway 6 interchange, including Highway 6/York Road interchange.

# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## KEY PROJECT WORK

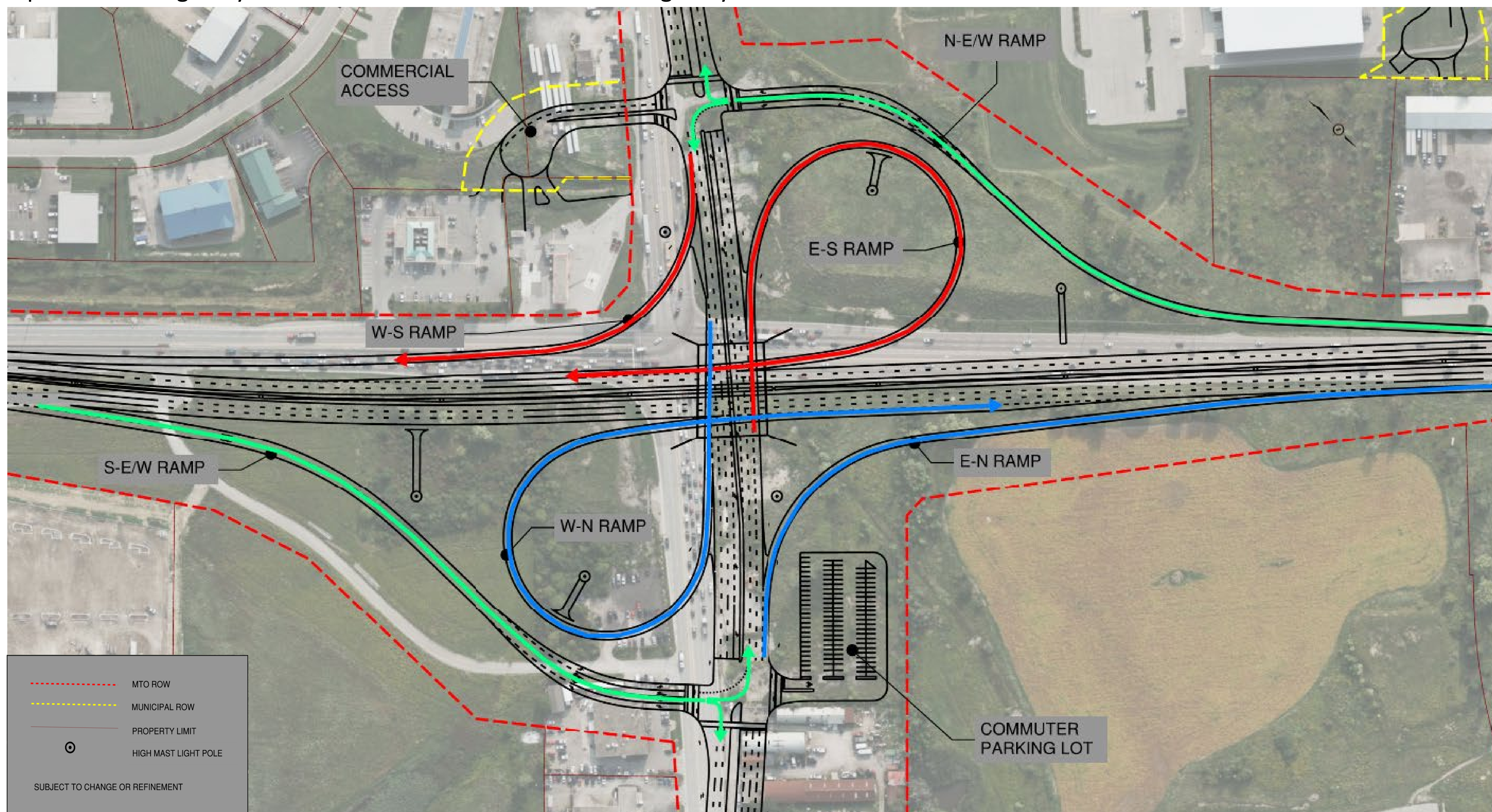


# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Proposed Highway 5 and Highway 6 Interchange

The existing Highway 5 and 6 traffic signal controlled intersection will be replaced with a full movement Parclo A4 interchange including:

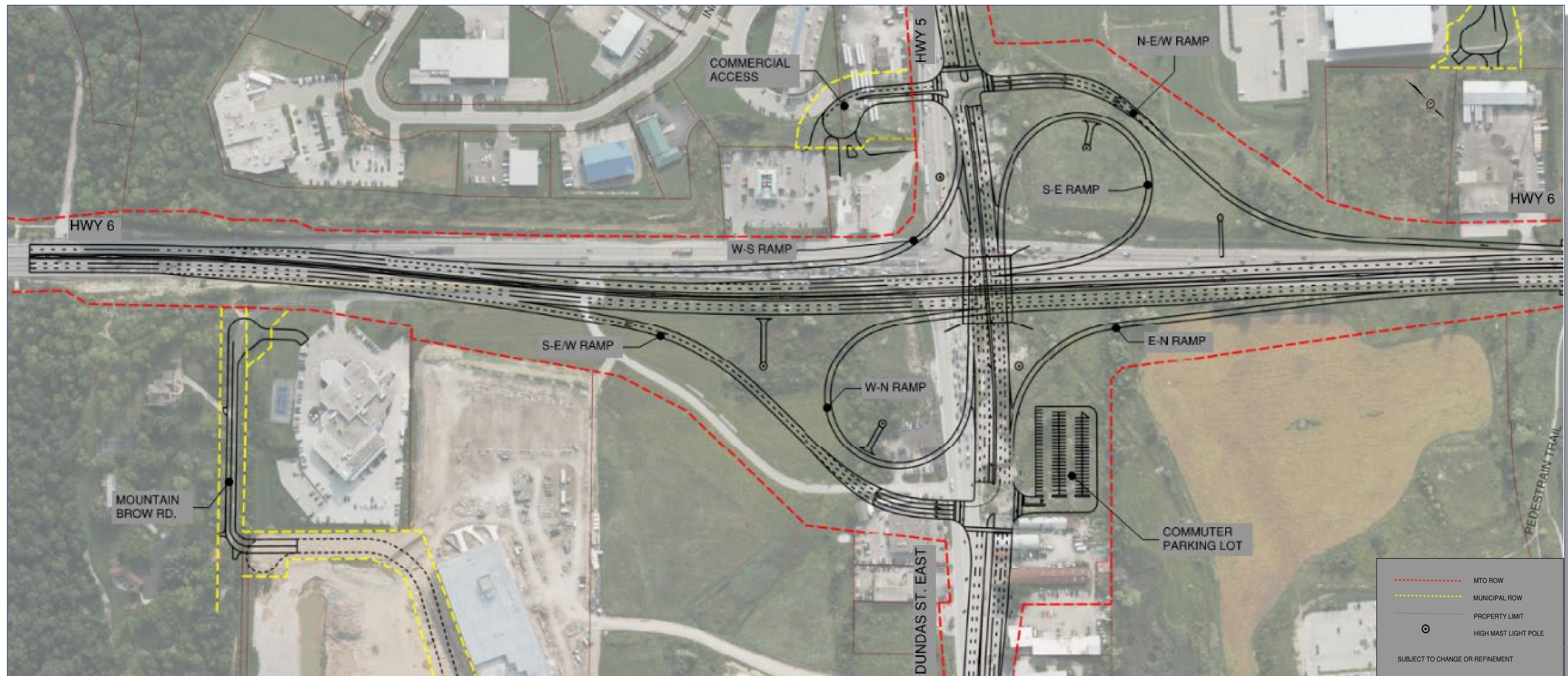
- Improved Highway 5 Westbound and Eastbound through traffic
- Improved Highway 6 Northbound and Southbound through traffic
- New ramps to access Highway 6 Southbound from Highway 5 and Dundas St. East
- New ramps to access Highway 6 Northbound from Highway 5 and Dundas St. East
- New ramp to access Dundas St. Eastbound and Westbound from Highway 6 Northbound
- New ramp to access Highway 5 Eastbound and Westbound from Highway 6 Southbound



# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

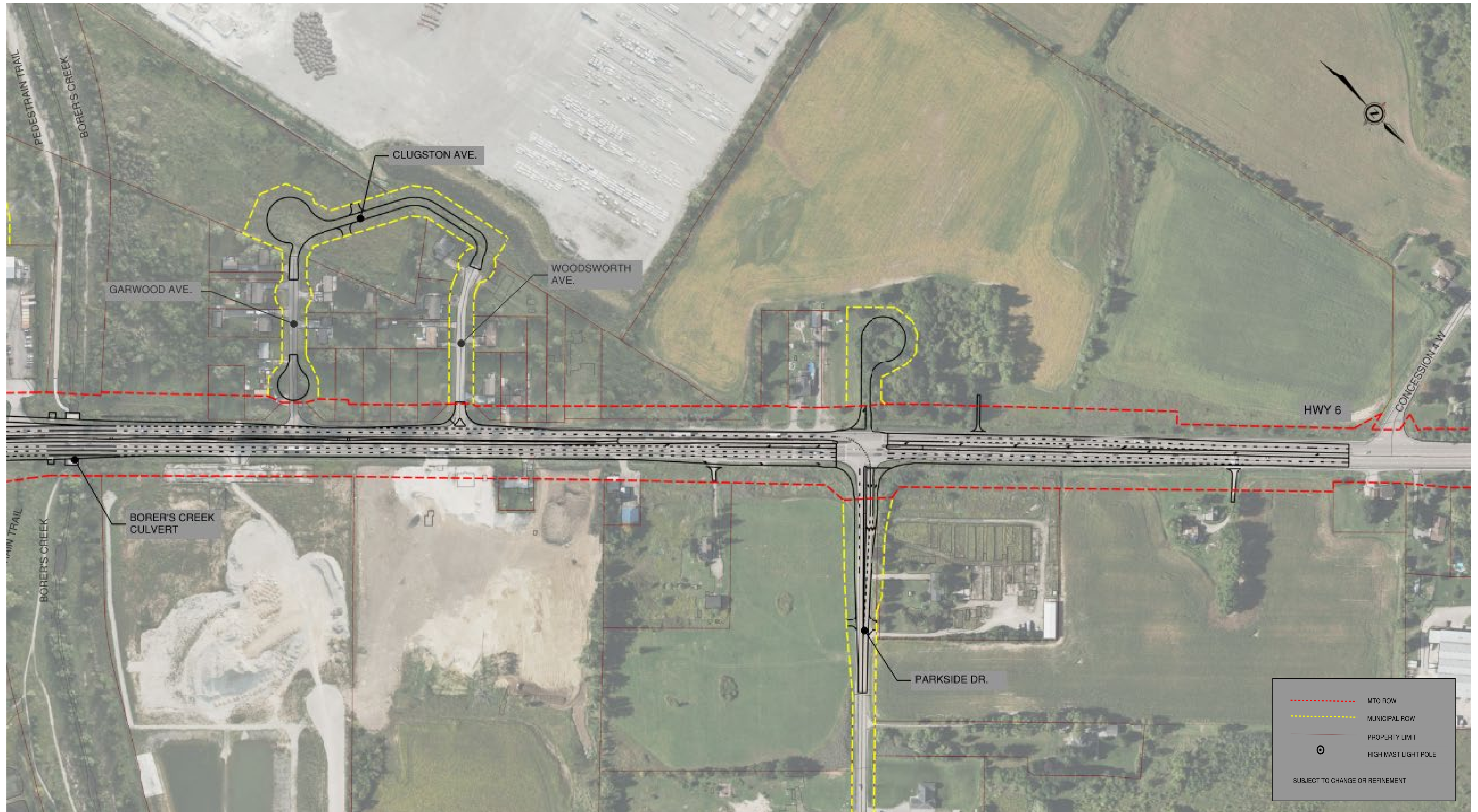
## Proposed Highway 6 – Roll Plan – 1 of 2

- The project limits extend along Highway 6 from approximately 1km south of Highway 5 to approximately 0.5km north of Parkside Drive, total length is approximately 2.4 km
- The Highway 6 design speed is 100km/h, posted speed is 80km/h
- Three traffic lanes for Northbound, two traffic lanes for Southbound and protect for future Southbound 3rd Lane



# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

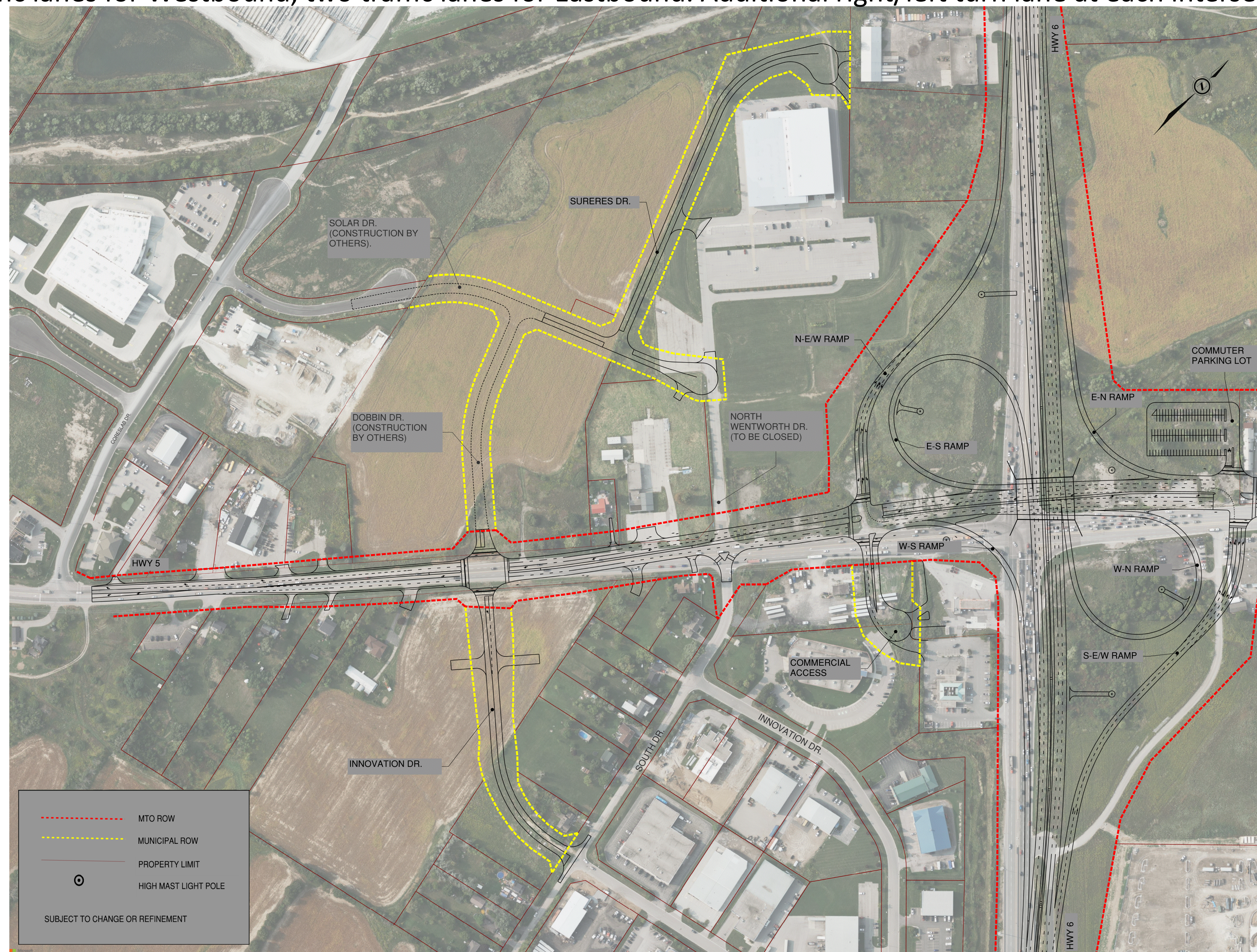
## Proposed Highway 6 – Roll Plan – 2 of 2



# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Proposed Highway 5 – Roll Plan – 1 of 2

- The project limits extend along Highway 5 from approximately 0.9km west of Highway 6 to approximately 0.8km east of Highway 6. Total length is approximately 1.7km
- The Highway 5 design speed is 80km/h, posted speed is 60km/h
- Two traffic lanes for Westbound, two traffic lanes for Eastbound. Additional right/left turn lane at each intersection.



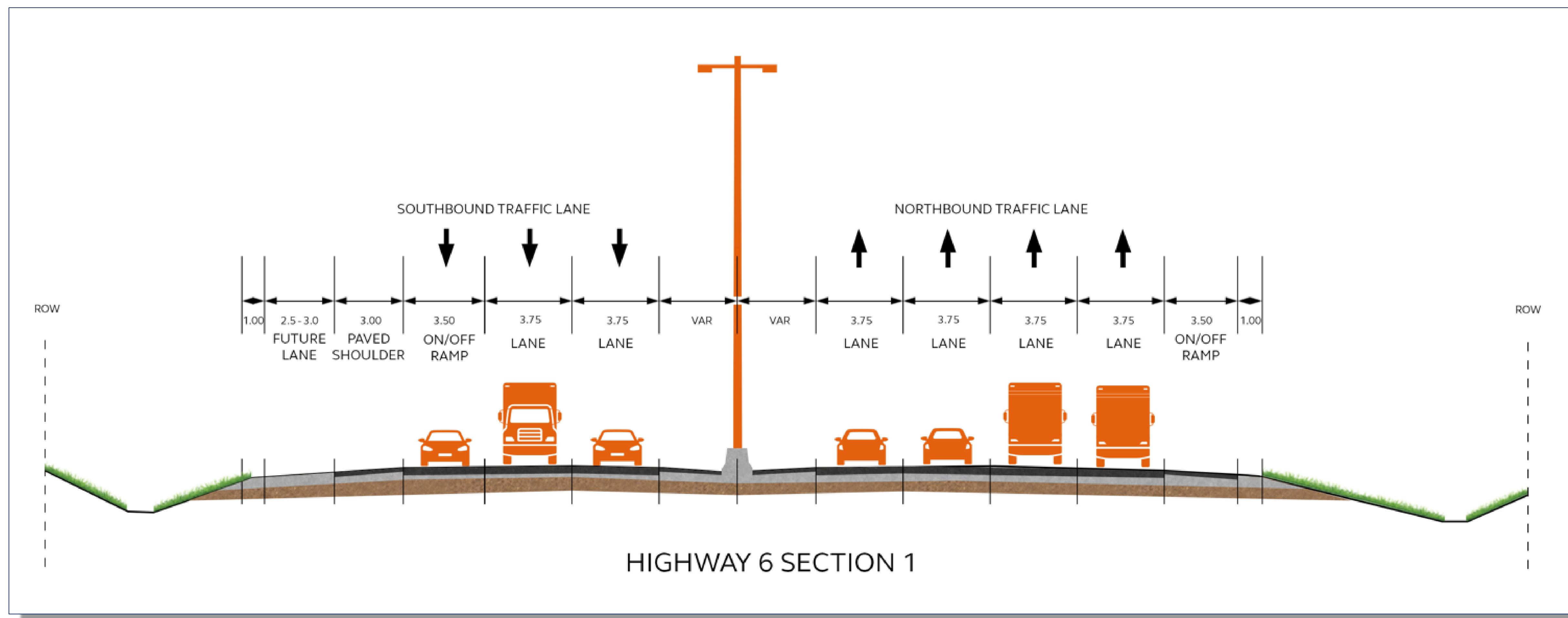
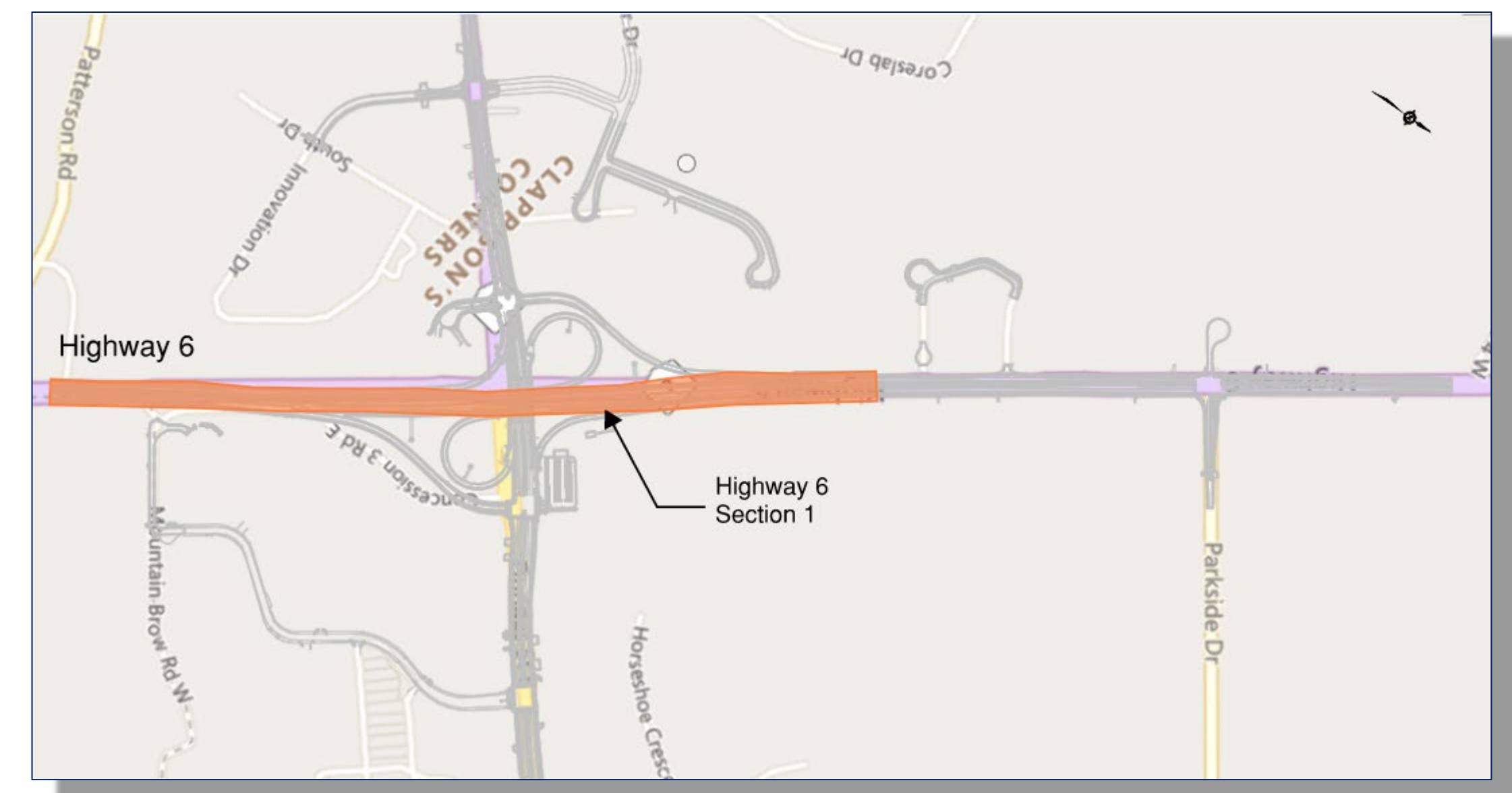
# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Proposed Highway 5 – Roll Plan – 2 of 2



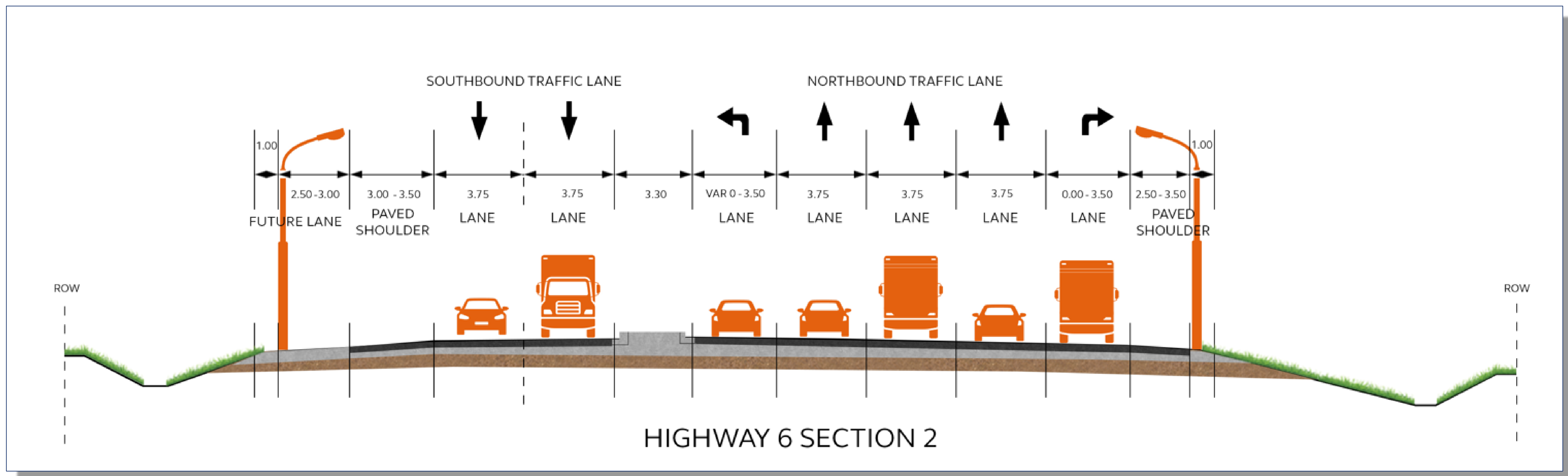
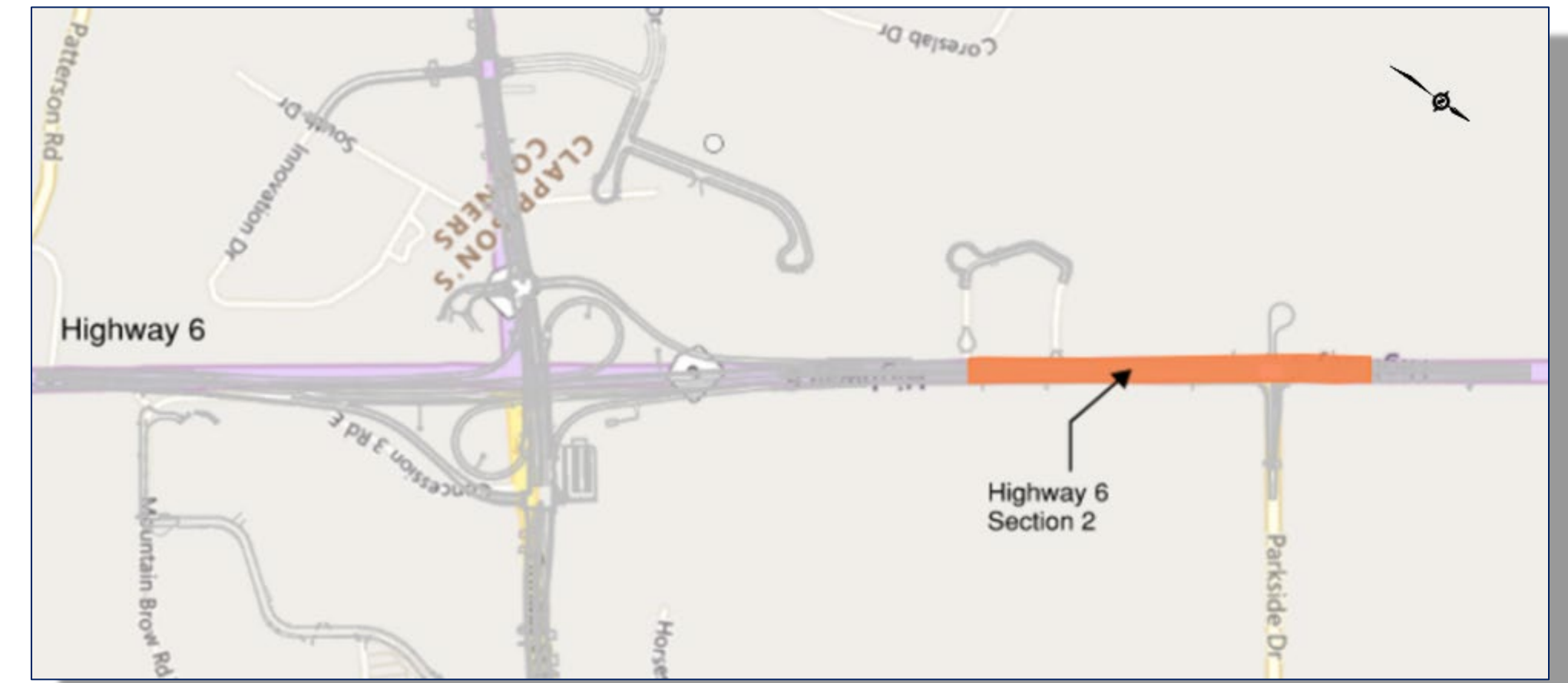
# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Highway 6 Cross Section 1



# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

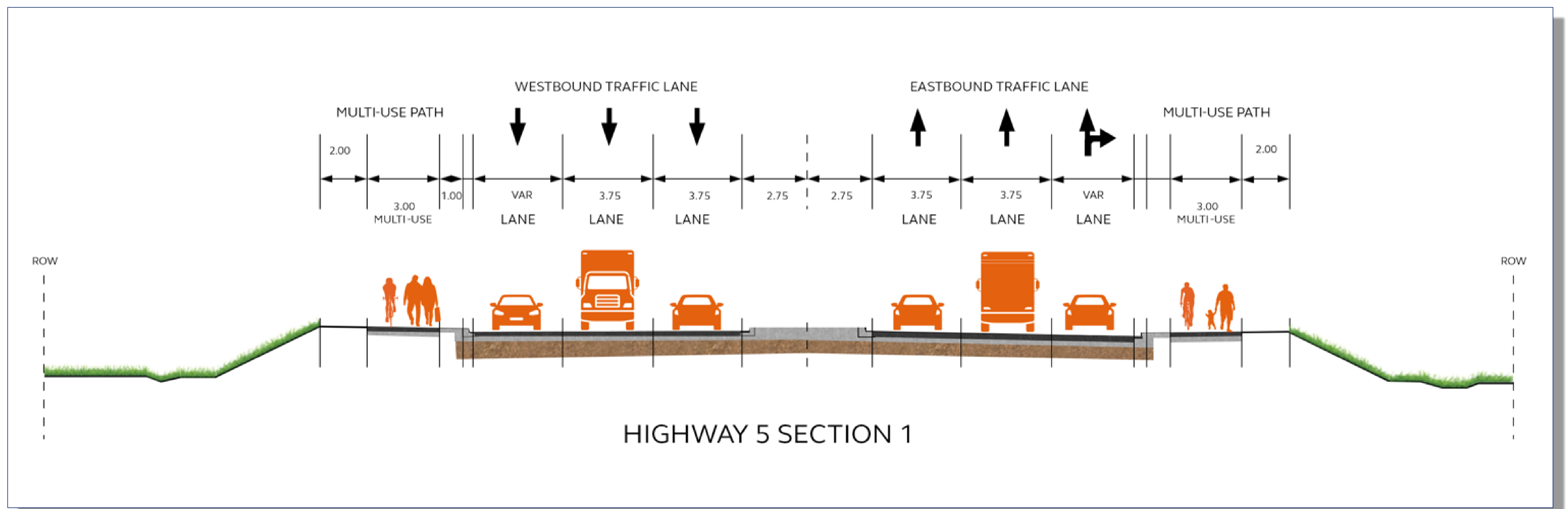
## Highway 6 Cross Section 2





# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

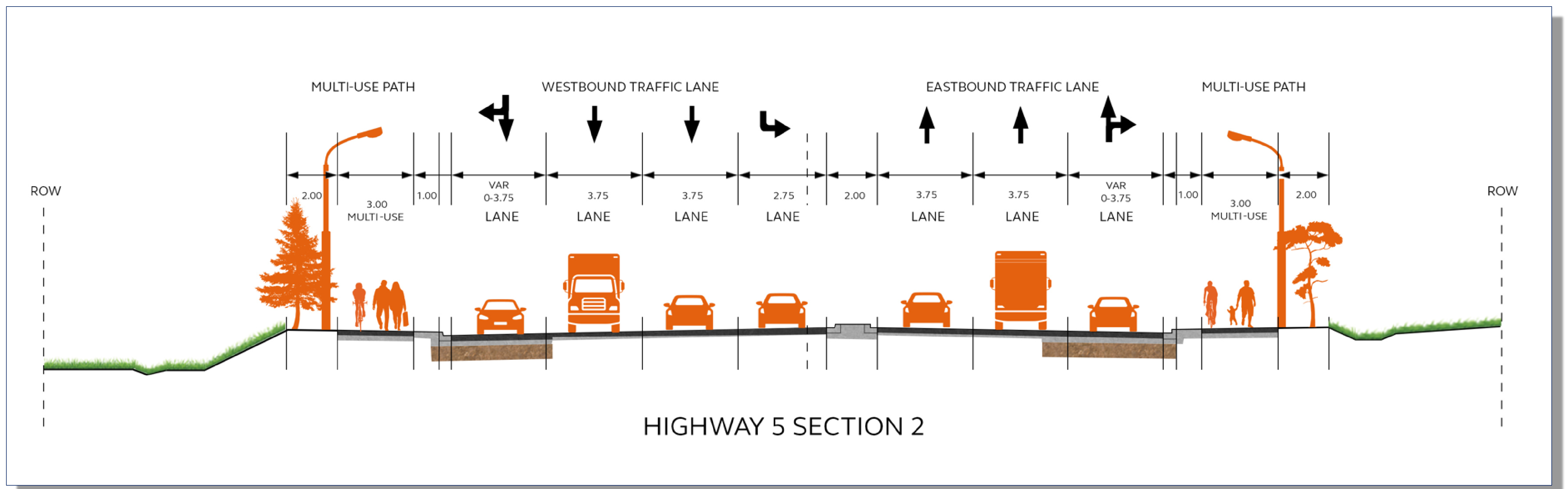
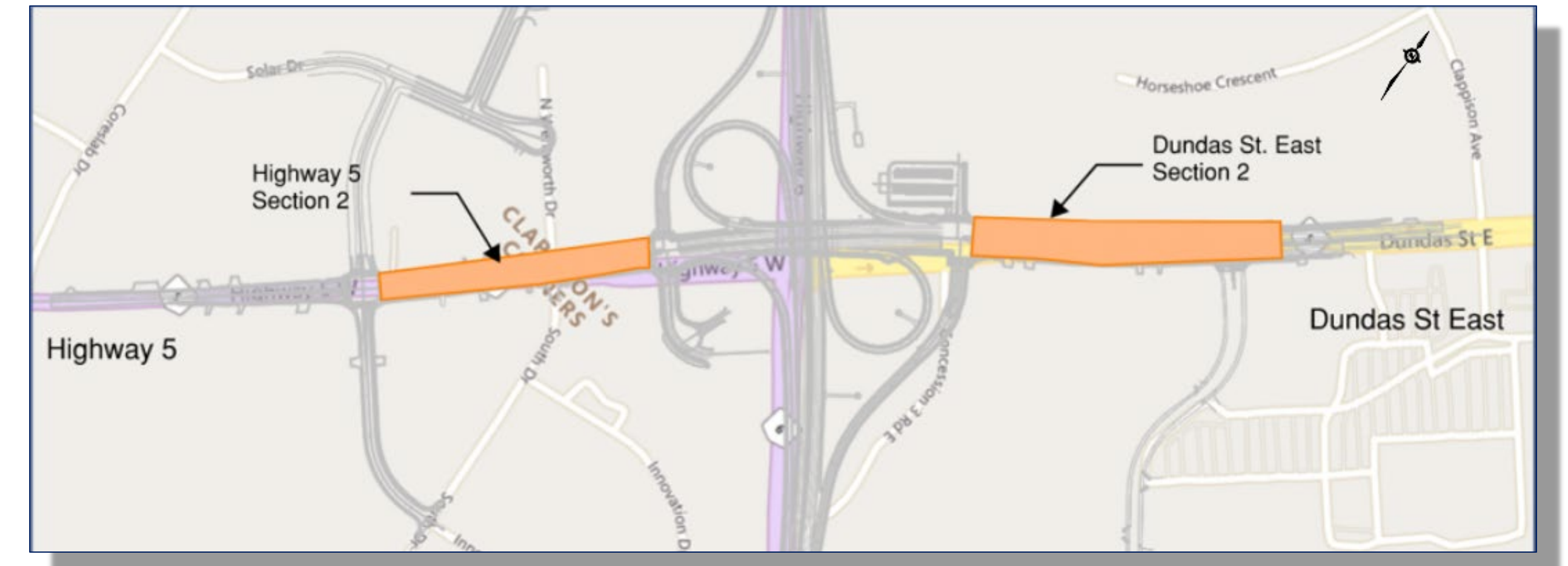
## Highway 5 / Dundas Street East Section 1



**MULTI USE PATH:  
DESIGNED TO  
ACCOMMODATE THE  
MOVEMENT OF  
PEDESTRIANS AND  
CYCLISTS**

# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

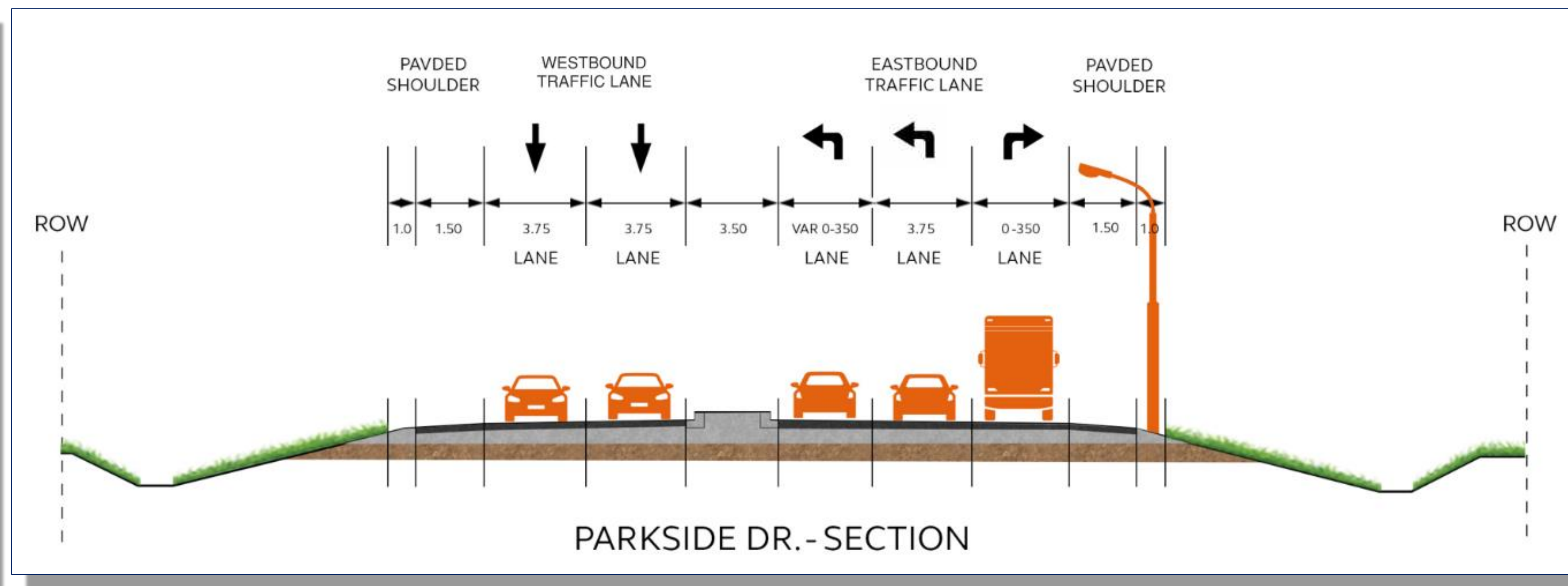
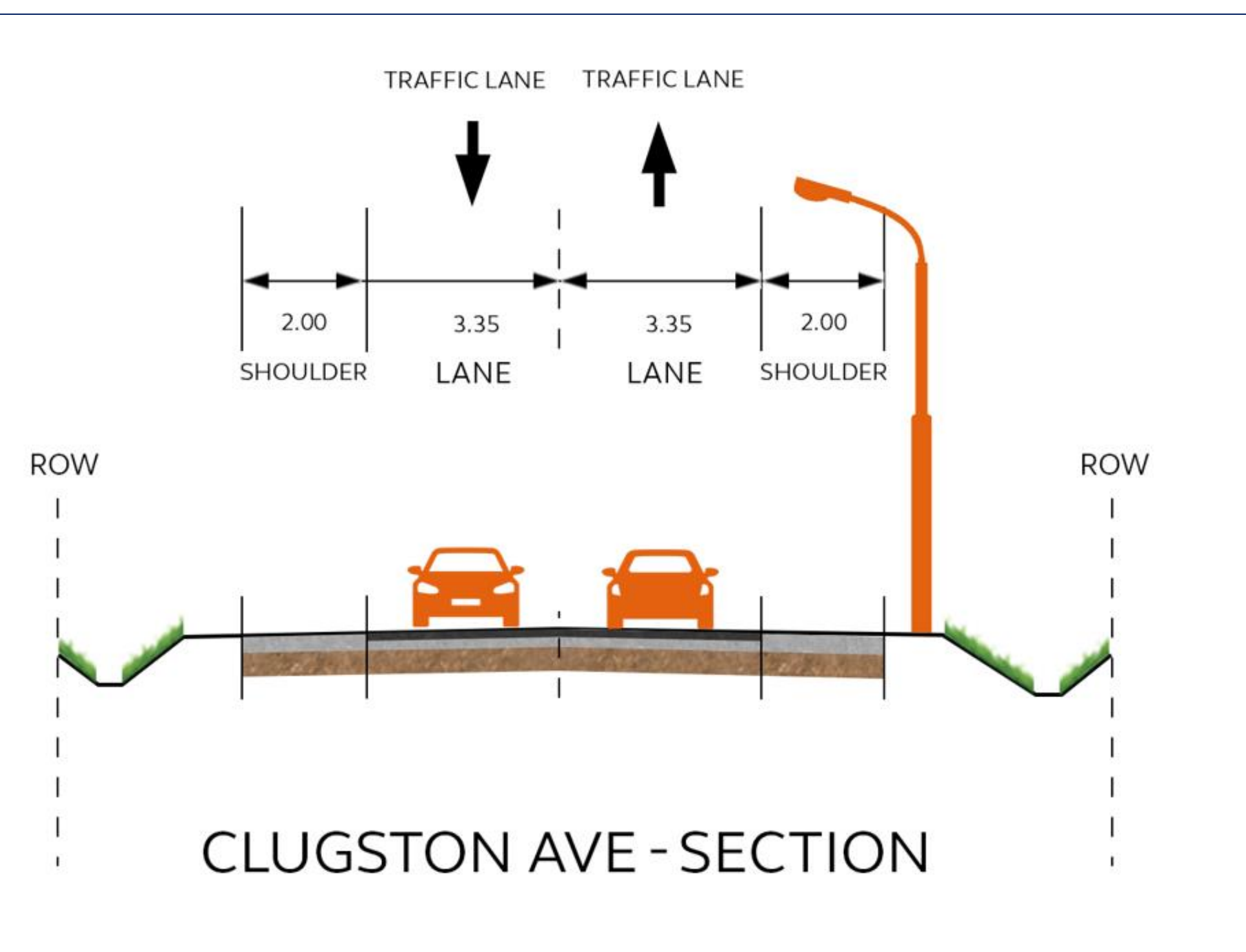
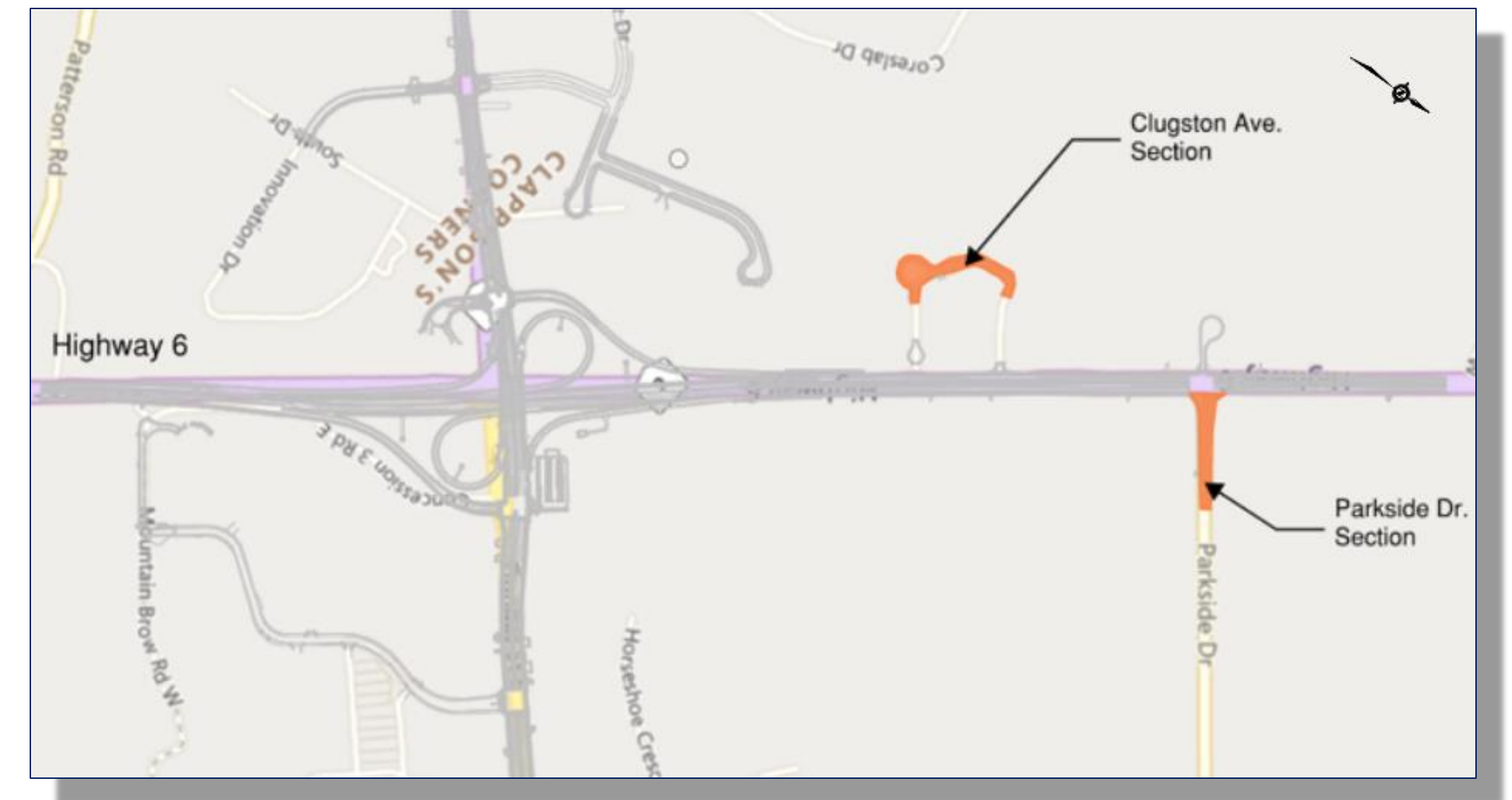
## Highway 5 / Dundas Street East Section 2



**MULTI USE PATH:  
DESIGNED TO  
ACCOMMODATE THE  
MOVEMENT OF  
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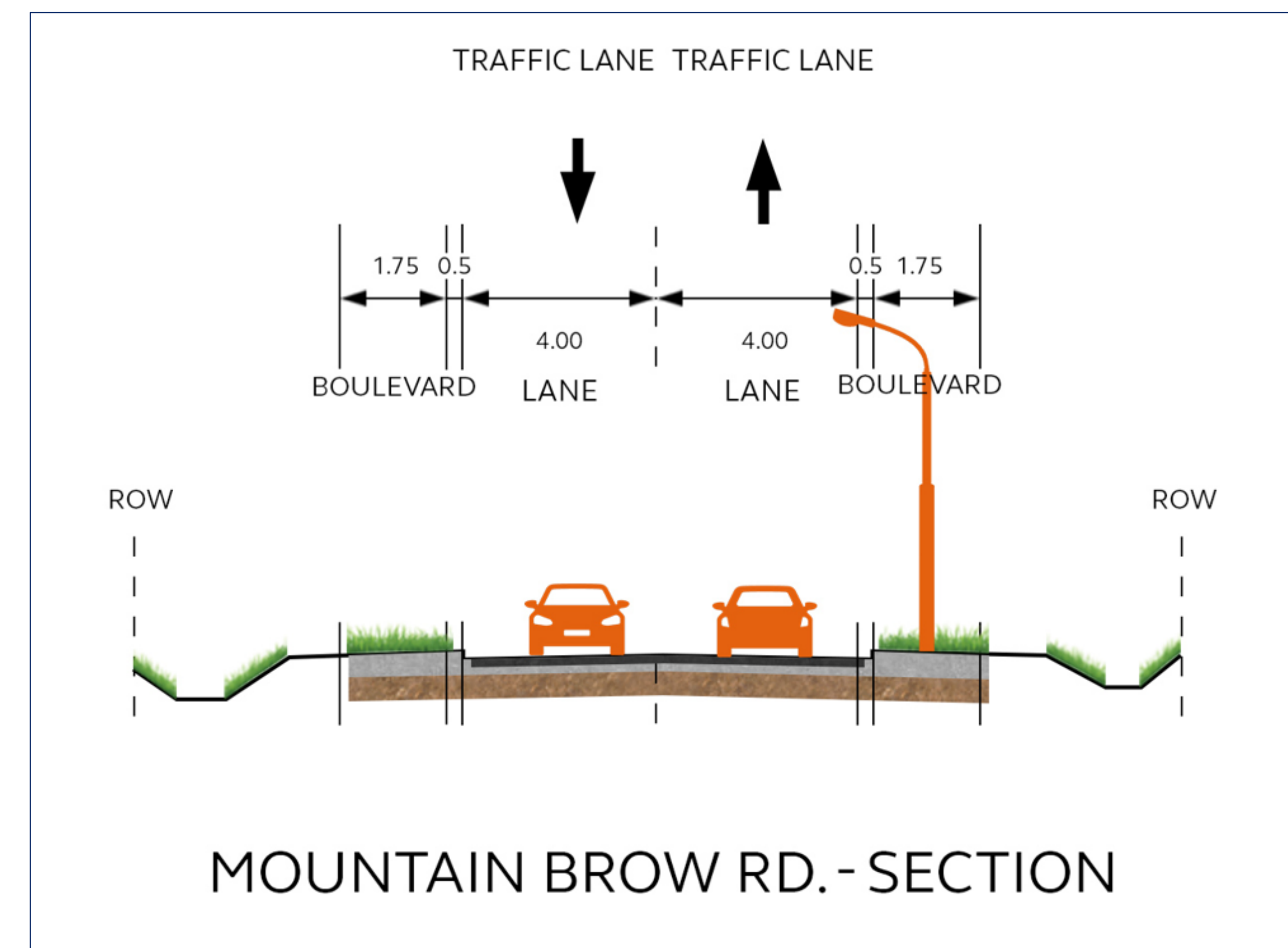
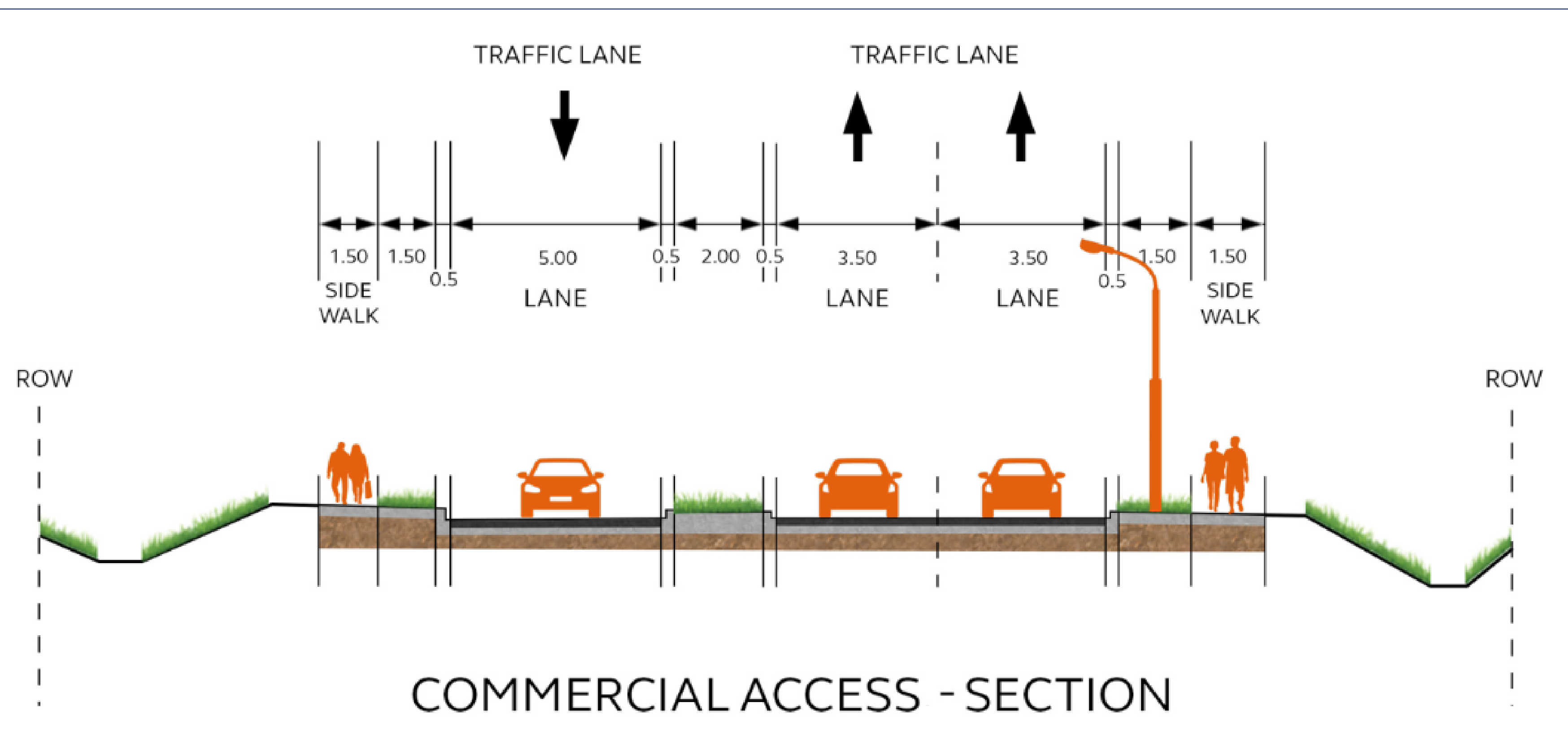
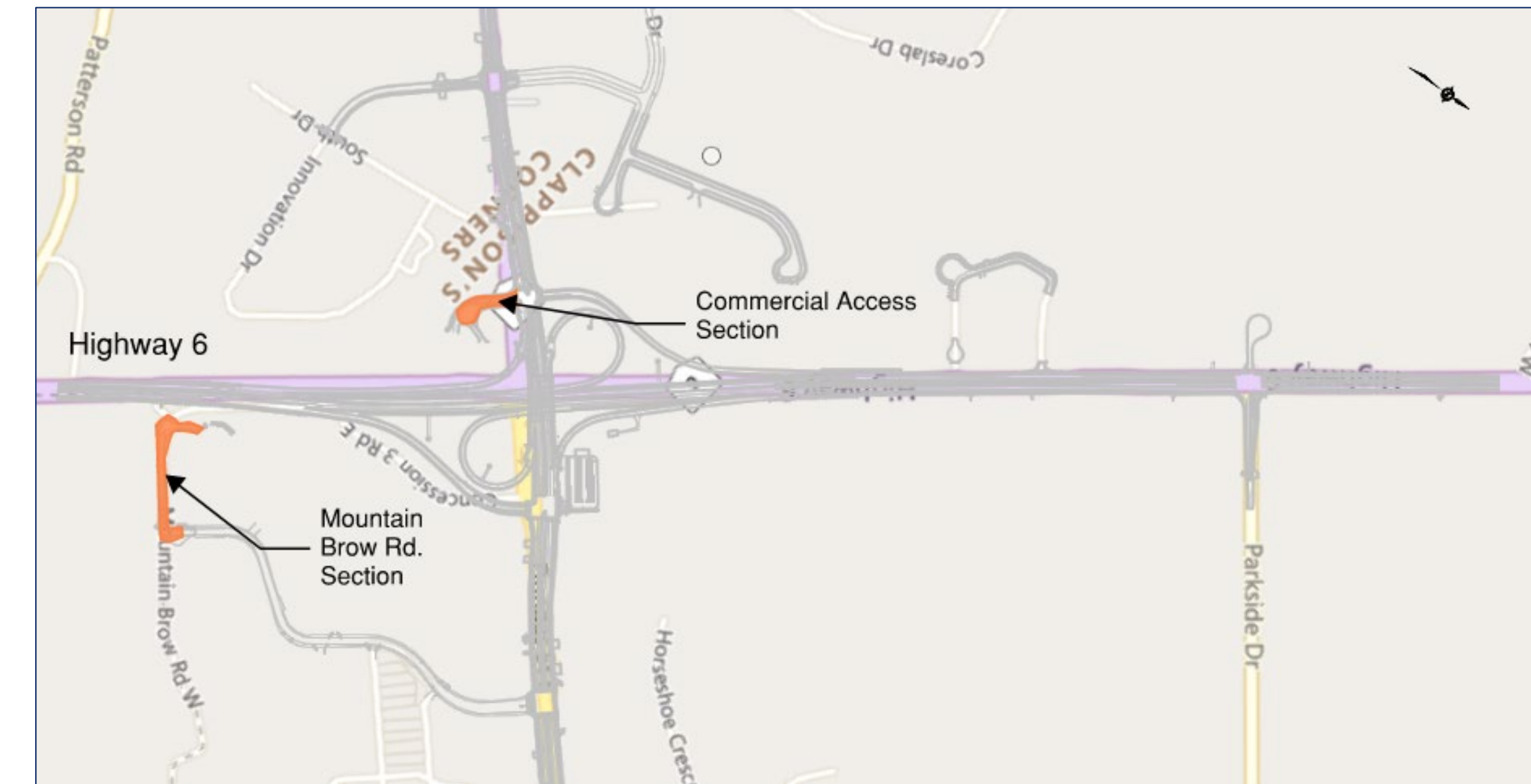
# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Parkside Drive and Clugston Avenue Section



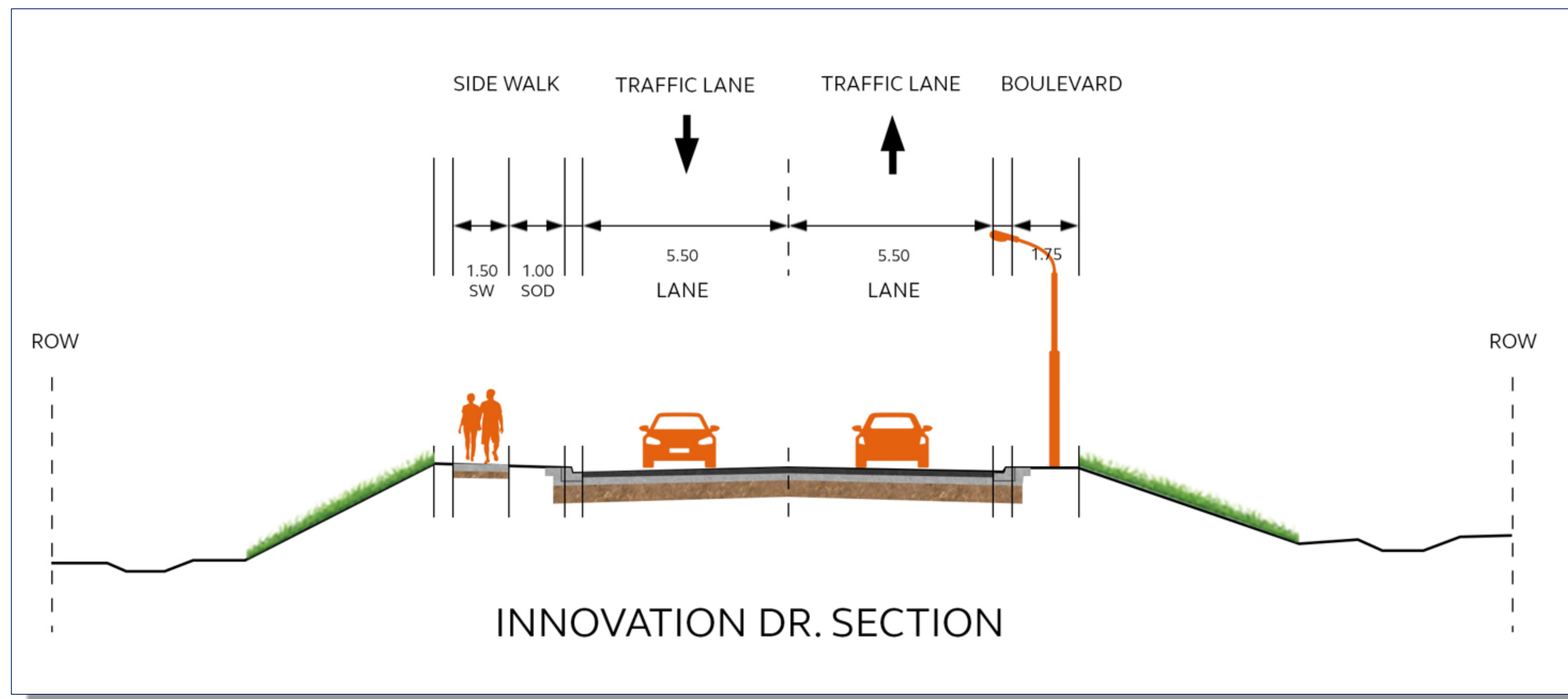
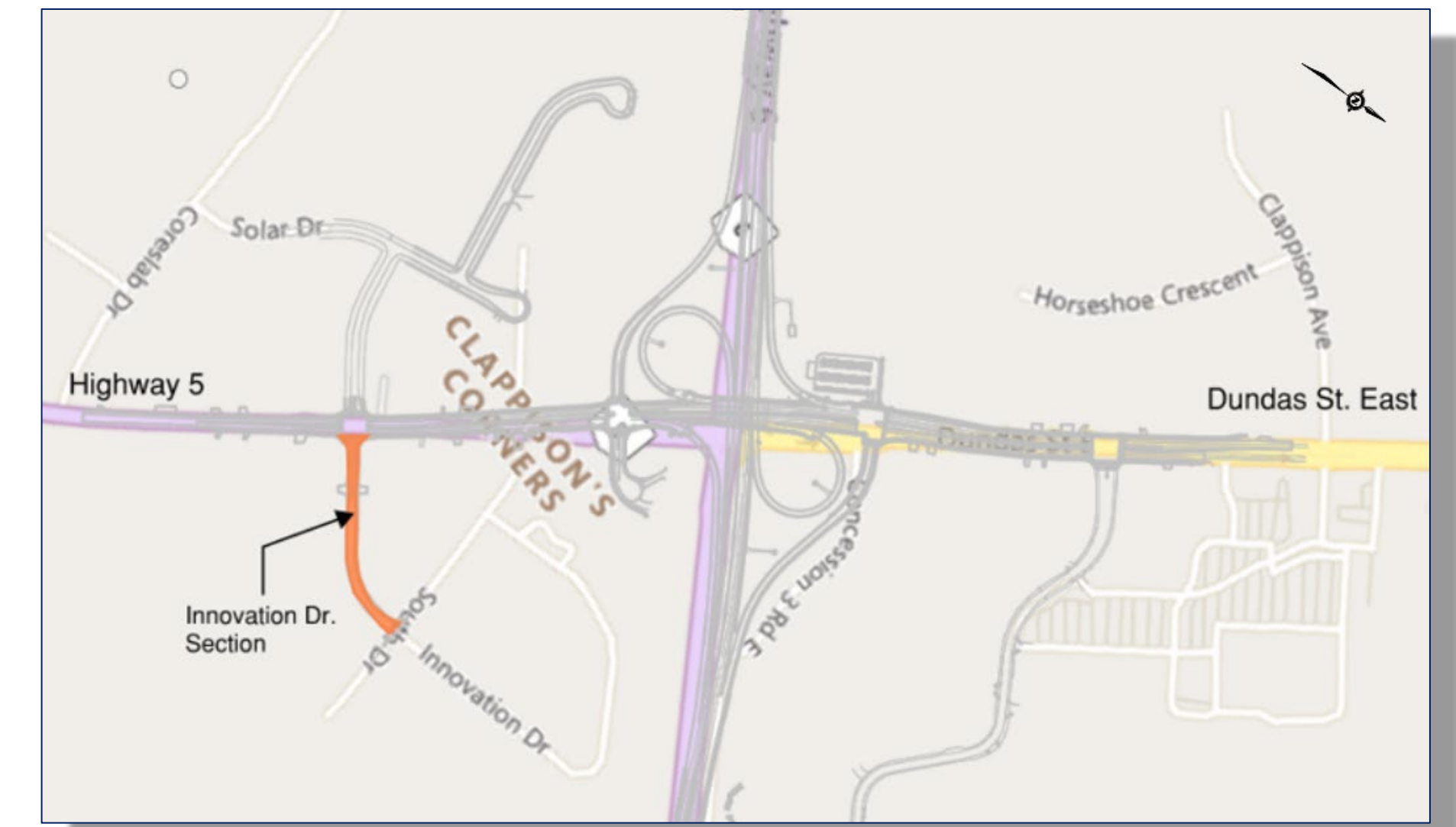
# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Commercial Access and Mountain Brow Road Section



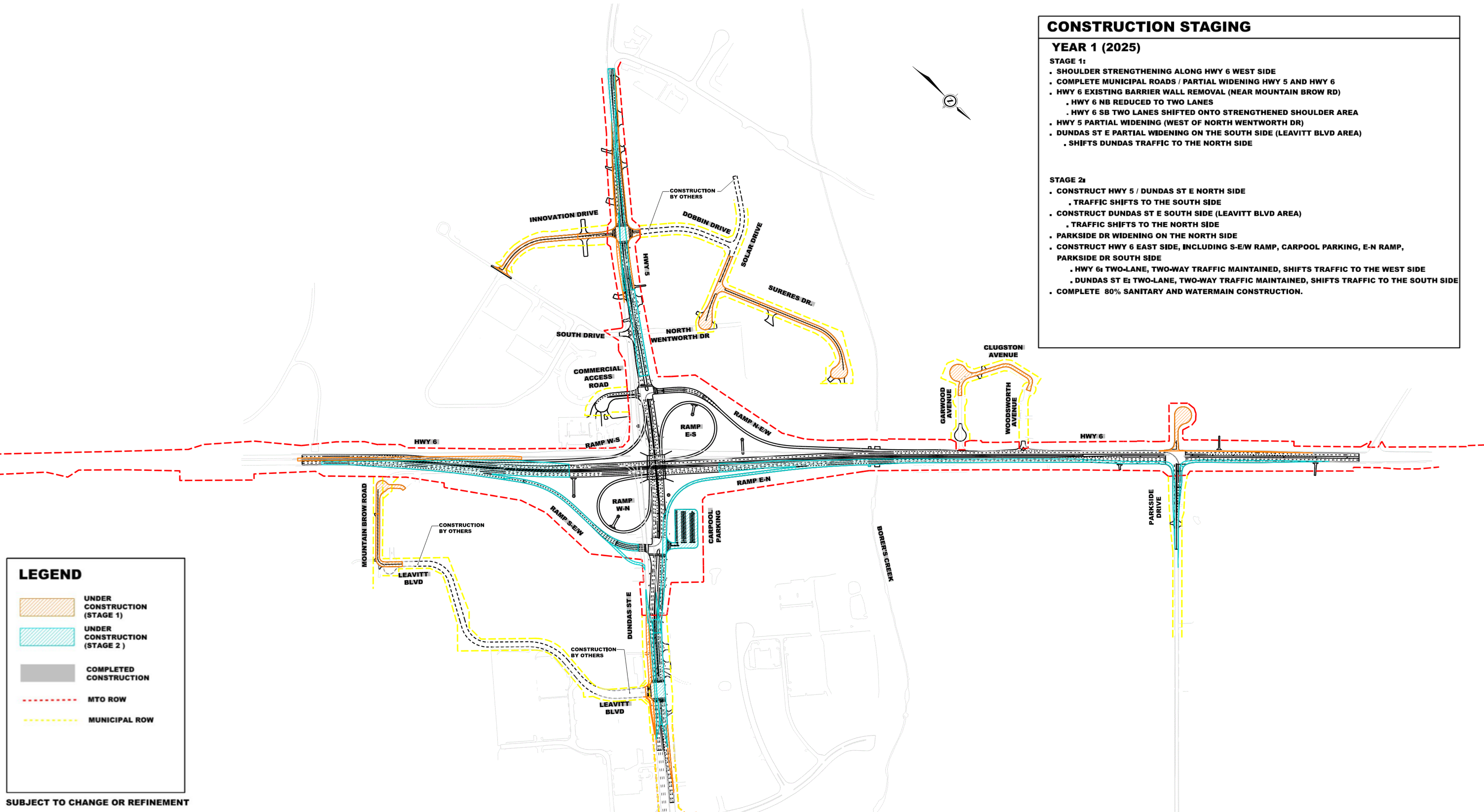
# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Innovation Drive Section



# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

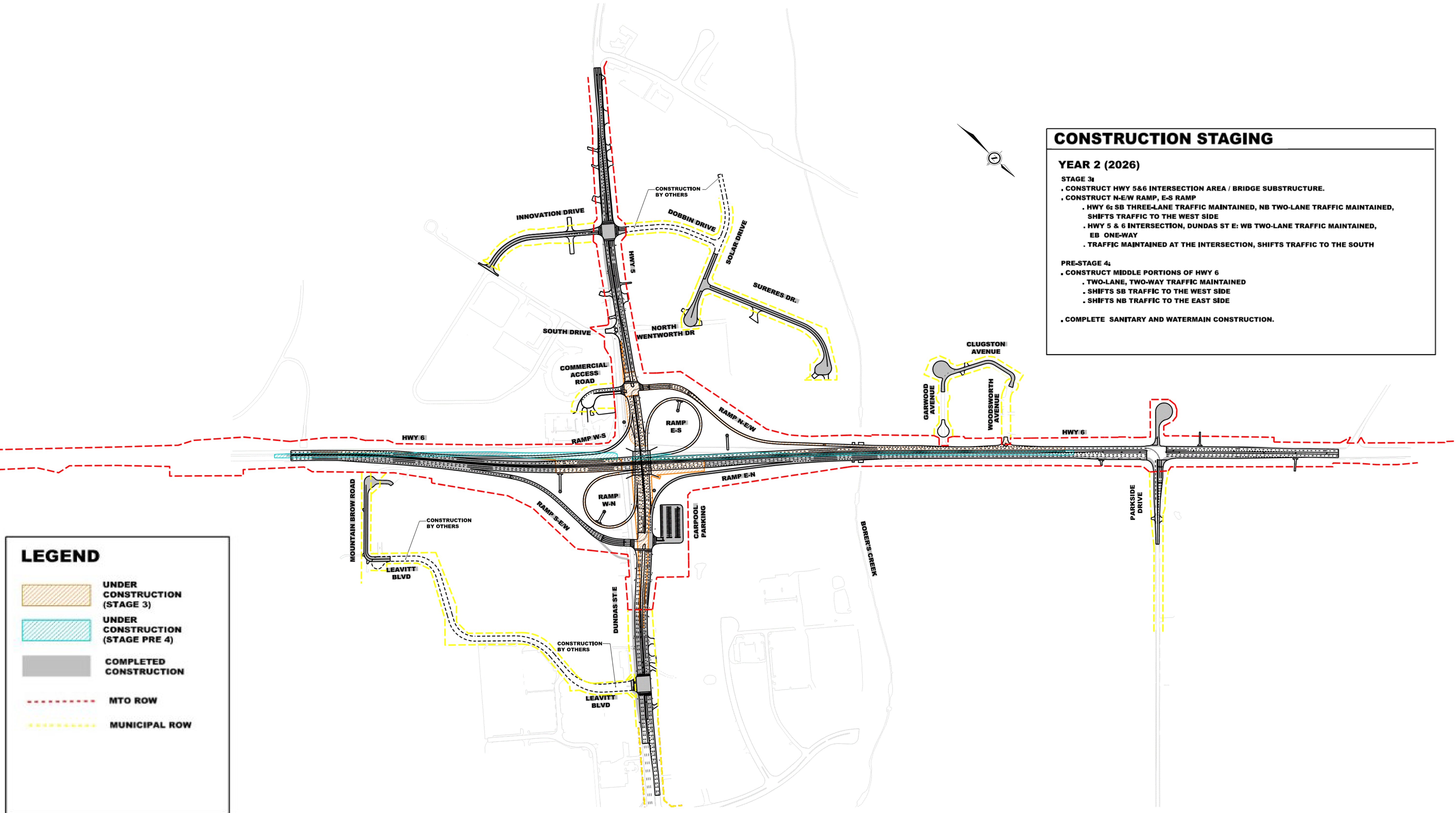
## Proposed Construction Sequencing - Year 1 (2025)



SUBJECT TO CHANGE OR REFINEMENT

# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Proposed Construction Sequencing - Year 2 (2026)



**CONSTRUCTION STAGING**

**YEAR 2 (2026)**

**STAGE 3:**

- CONSTRUCT HWY 5&6 INTERSECTION AREA / BRIDGE SUBSTRUCTURE.
- CONSTRUCT N-E/W RAMP, E-S RAMP
- HWY 6: SB THREE-LANE TRAFFIC MAINTAINED, NB TWO-LANE TRAFFIC MAINTAINED, SHIFTS TRAFFIC TO THE WEST SIDE
- HWY 5 & 6 INTERSECTION, DUNDAS ST E: WB TWO-LANE TRAFFIC MAINTAINED, EB ONE-WAY
- TRAFFIC MAINTAINED AT THE INTERSECTION, SHIFTS TRAFFIC TO THE SOUTH

**PRE-STAGE 4:**

- CONSTRUCT MIDDLE PORTIONS OF HWY 6
- TWO-LANE, TWO-WAY TRAFFIC MAINTAINED
- SHIFTS SB TRAFFIC TO THE WEST SIDE
- SHIFTS NB TRAFFIC TO THE EAST SIDE

COMPLETE SANITARY AND WATERMAIN CONSTRUCTION.

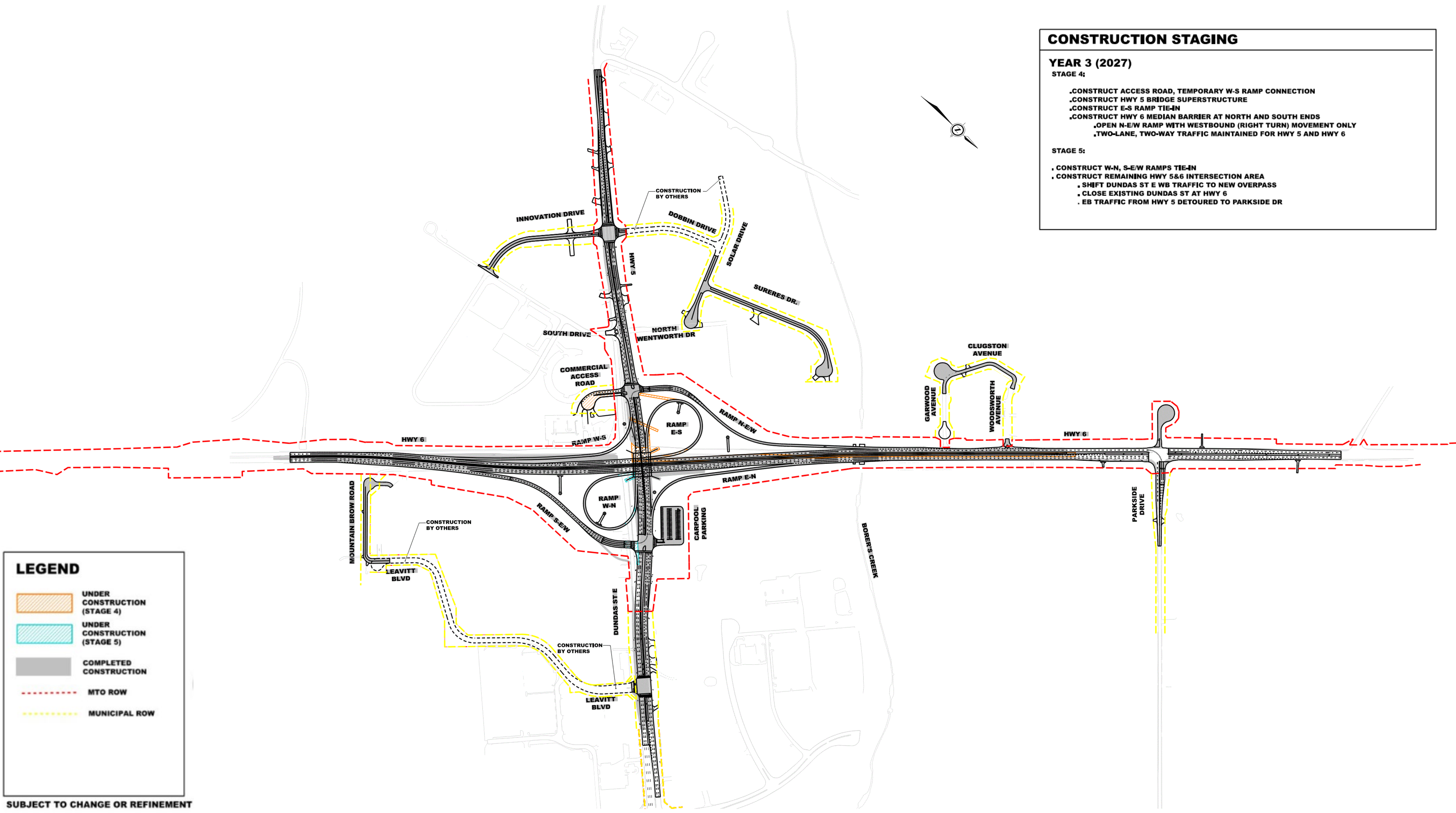
**LEGEND**

- UNDER CONSTRUCTION (STAGE 3)
- UNDER CONSTRUCTION (STAGE PRE 4)
- COMPLETED CONSTRUCTION
- MTO ROW
- MUNICIPAL ROW

SUBJECT TO CHANGE OR REFINEMENT

# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Proposed Construction Sequencing - Year 3 (2027)



**CONSTRUCTION STAGING**

**YEAR 3 (2027)**

**STAGE 4:**

- .CONSTRUCT ACCESS ROAD, TEMPORARY W-S RAMP CONNECTION
- .CONSTRUCT HWY 5 BRIDGE SUPERSTRUCTURE
- .CONSTRUCT E-S RAMP TIE-IN
- .CONSTRUCT HWY 6 MEDIAN BARRIER AT NORTH AND SOUTH ENDS
- .OPEN N-E/W RAMP WITH WESTBOUND (RIGHT TURN) MOVEMENT ONLY
- .TWO-LANE, TWO-WAY TRAFFIC MAINTAINED FOR HWY 5 AND HWY 6

**STAGE 5:**

- . CONSTRUCT W-N, S-E/W RAMP TIE-IN
- . CONSTRUCT REMAINING HWY 5&6 INTERSECTION AREA
- . SHIFT DUNDAS ST E WB TRAFFIC TO NEW OVERPASS
- . CLOSE EXISTING DUNDAS ST AT HWY 6
- . EB TRAFFIC FROM HWY 5 DETOURED TO PARKSIDE DR

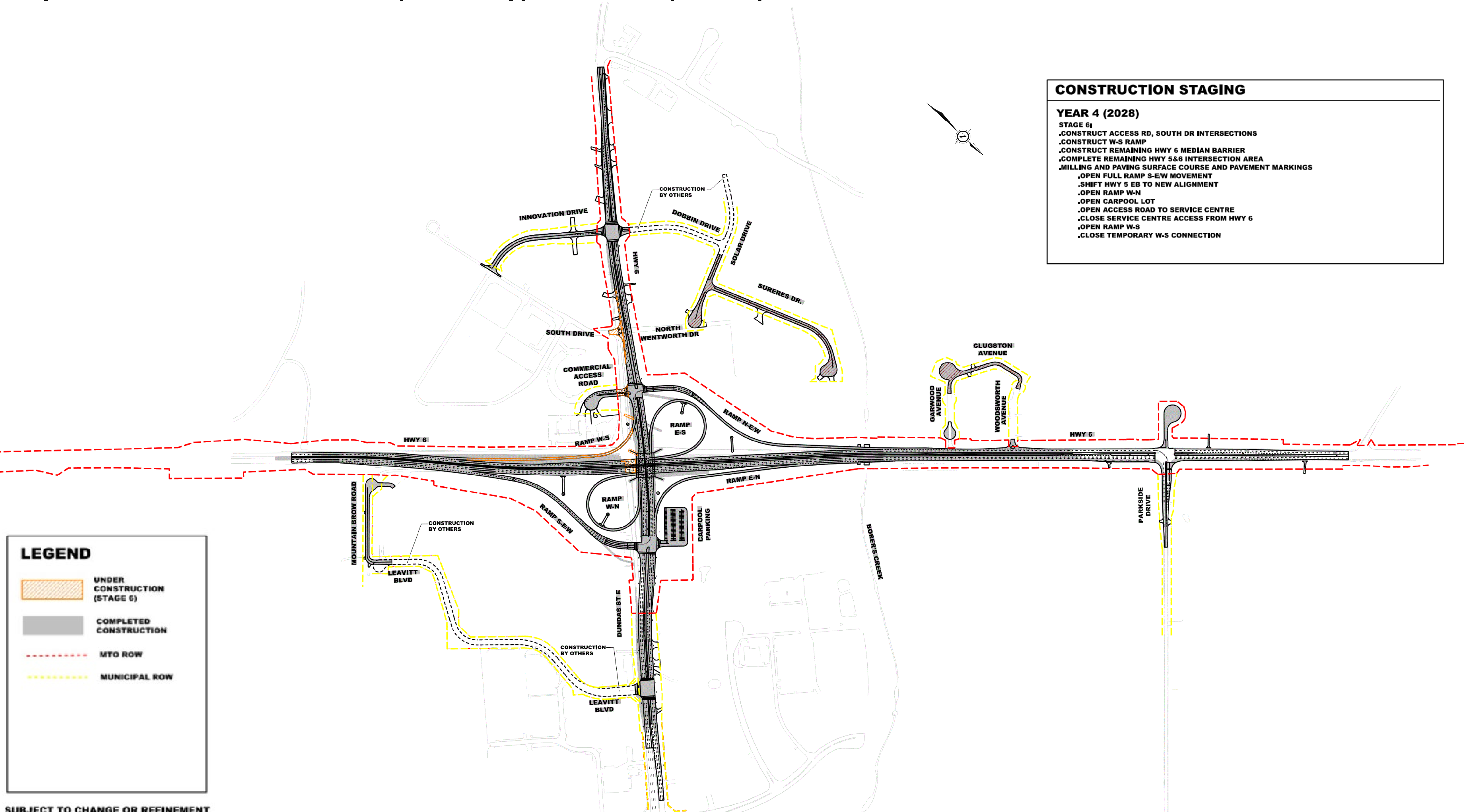
**LEGEND**

- UNDER CONSTRUCTION (STAGE 4)
- UNDER CONSTRUCTION (STAGE 5)
- COMPLETED CONSTRUCTION
- MTO ROW
- MUNICIPAL ROW

SUBJECT TO CHANGE OR REFINEMENT

# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Proposed Construction Sequencing - Year 4 (2028)







**CONSTRUCTION STAGING**

**YEAR 4 (2028)**

**STAGE 6:**

- .CONSTRUCT ACCESS RD, SOUTH DR INTERSECTIONS
- .CONSTRUCT W-S RAMP
- .CONSTRUCT REMAINING HWY 6 MEDIAN BARRIER
- .COMPLETE REMAINING HWY 5&6 INTERSECTION AREA
- .MILLING AND PAVING SURFACE COURSE AND PAVEMENT MARKINGS
- .OPEN FULL RAMP S-E/W MOVEMENT
- .SHIFT HWY 5 EB TO NEW ALIGNMENT
- .OPEN RAMP W-N
- .OPEN CARPOOL LOT
- .OPEN ACCESS ROAD TO SERVICE CENTRE
- .CLOSE SERVICE CENTRE ACCESS FROM HWY 6
- .OPEN RAMP W-S
- .CLOSE TEMPORARY W-S CONNECTION

**LEGEND**

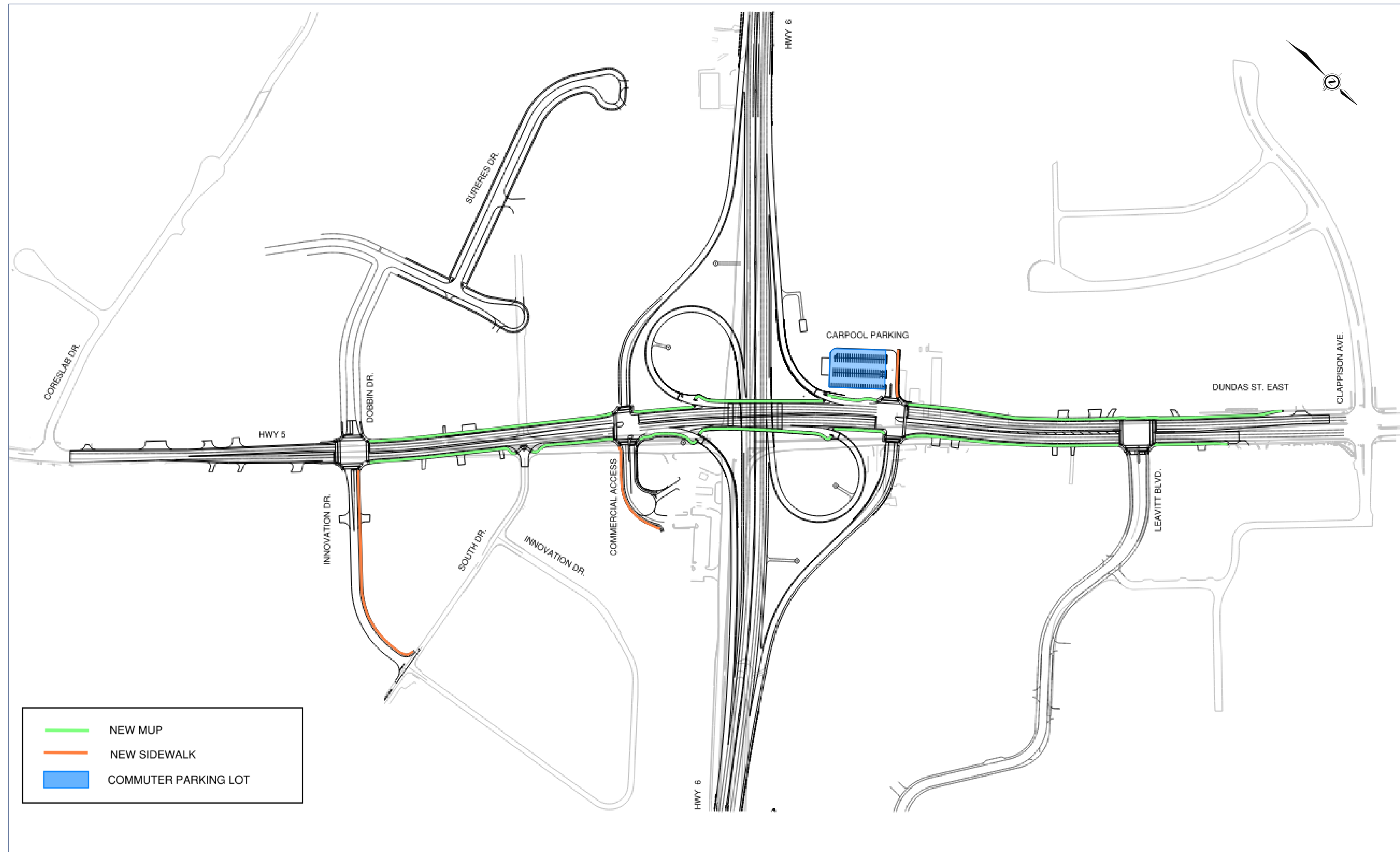
-  UNDER CONSTRUCTION (STAGE 6)
-  COMPLETED CONSTRUCTION
-  MTO ROW
-  MUNICIPAL ROW

SUBJECT TO CHANGE OR REFINEMENT

# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Active Transportation and Transit

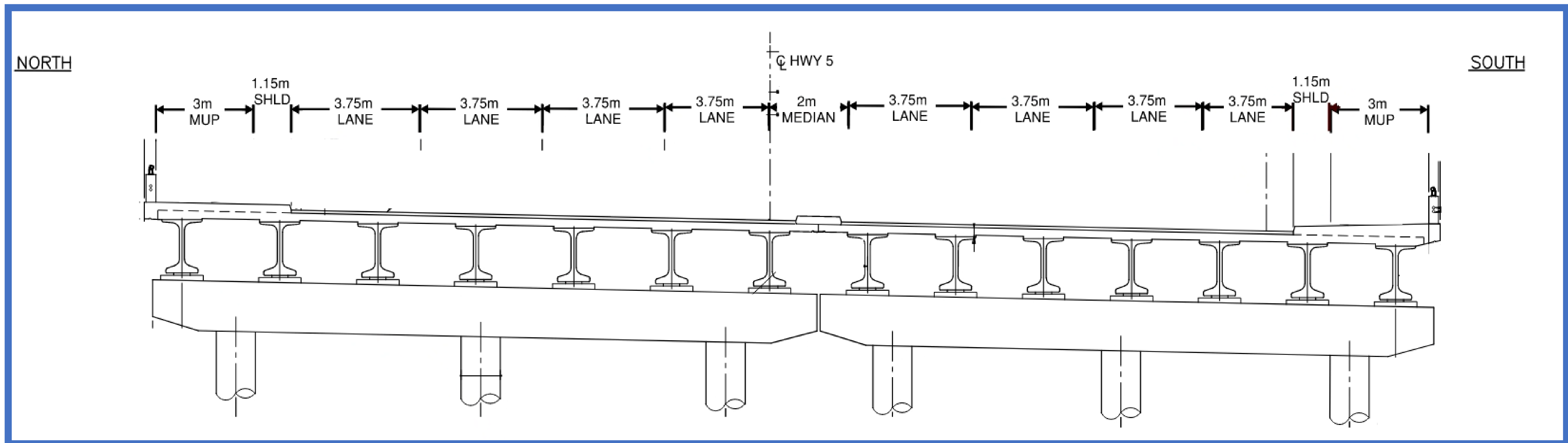
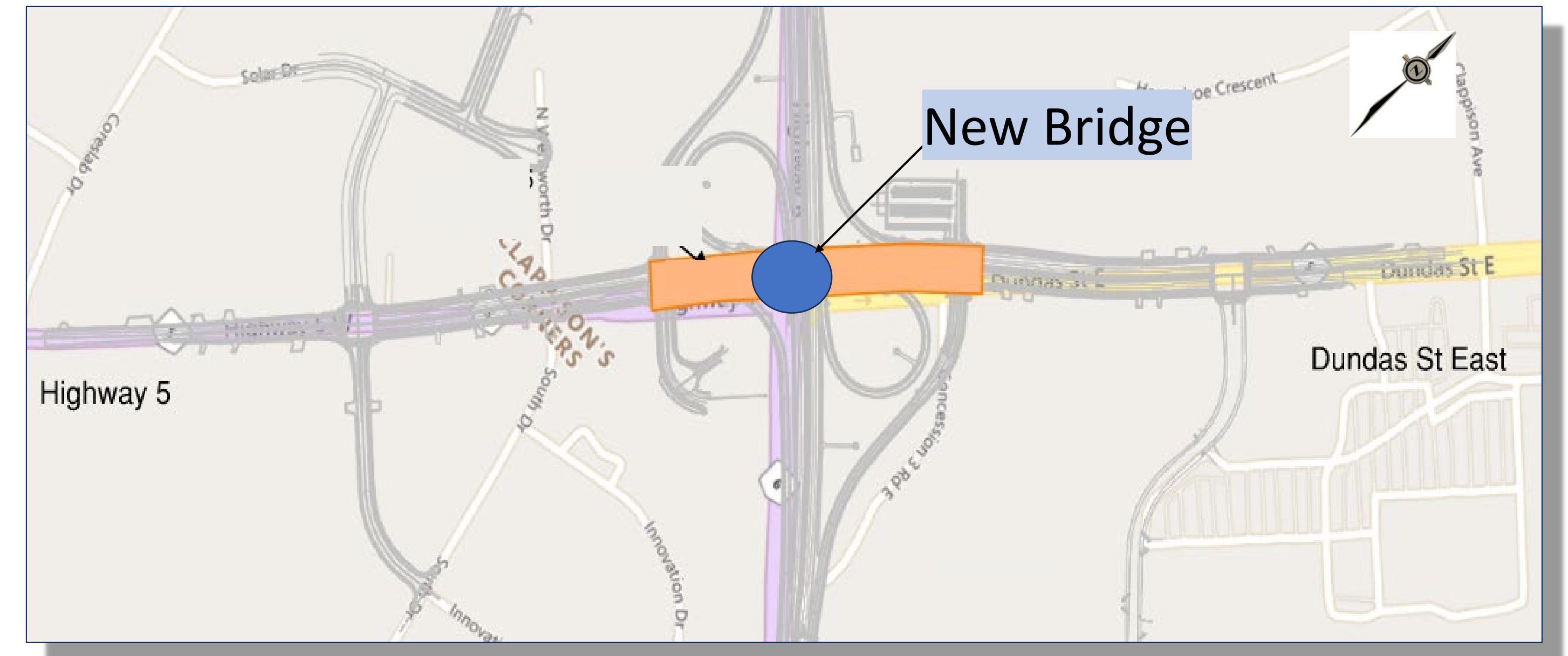
- The interchange will accommodate active transportation users (cyclists and pedestrians) with a 3.0m multi-use path (MUP) on both sides of Highway 5 / Dundas Street East
- The MUP will connect to sidewalks and existing or planned cycling facilities within the City of Hamilton, in accordance and compatible with the City's long terms plans.
- The MUP will include signalized crossings at ramp intersections. The interchange includes features and geometries to support the safe movement of pedestrians and cyclists.
- A commuter parking lot has been included in the interchange as shown.



# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Highway 6 Underpass

- New bridge for Highway 5 will cross Highway 6
- Bridge has 3 through traffic lanes with a Multi-Use Path (shared path for pedestrians and cyclists) on both sides of the bridge.
- Design speed = 80 km/hr  
Posted speed = 60 km/hr
- New bridge will be two spans, with prestressed concrete girders



# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

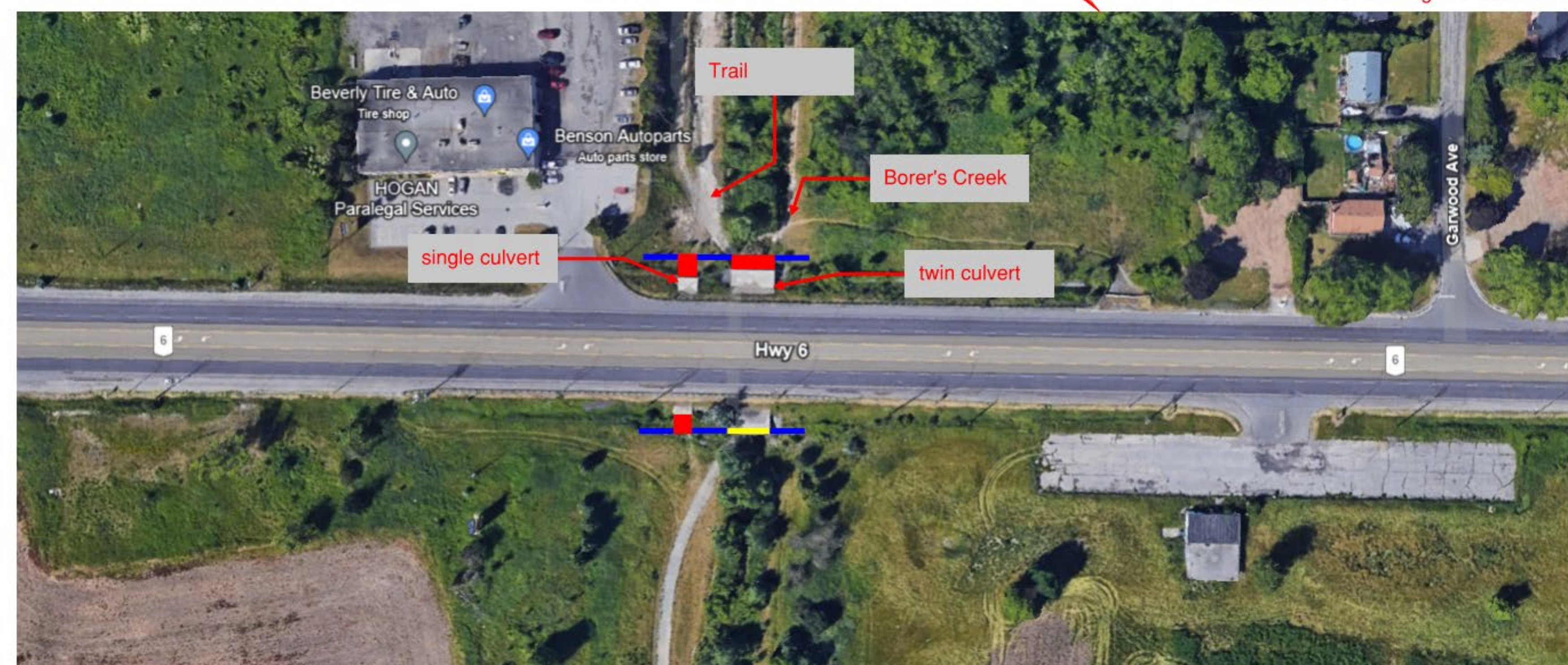
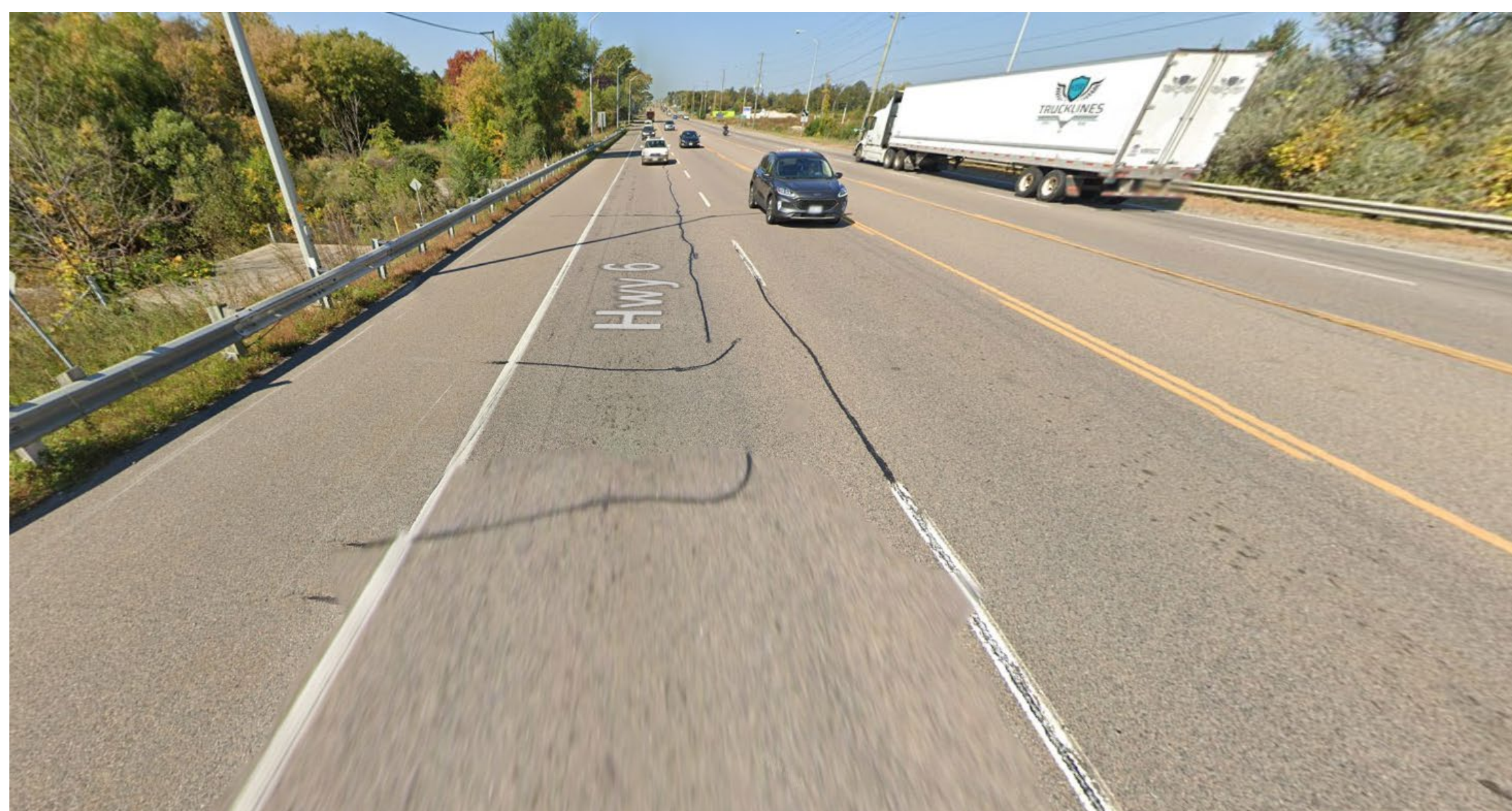
## Culvert Extension at Borer's Creek

- Based upon ultimate roadway widening configuration, existing culverts will be extended with cast in place retaining walls in between.
- The twin culvert and single culvert will be extended on the west, while the single culvert will be extended on the east with a new headwall installed over the existing twin culvert.
- Roadway at Borer's Creek culvert will have 5 general purpose lanes, 2 speed change lanes as well as median and outside shoulder
- Design speed = 100 km/hr  
Posted speed = 80 km/hr



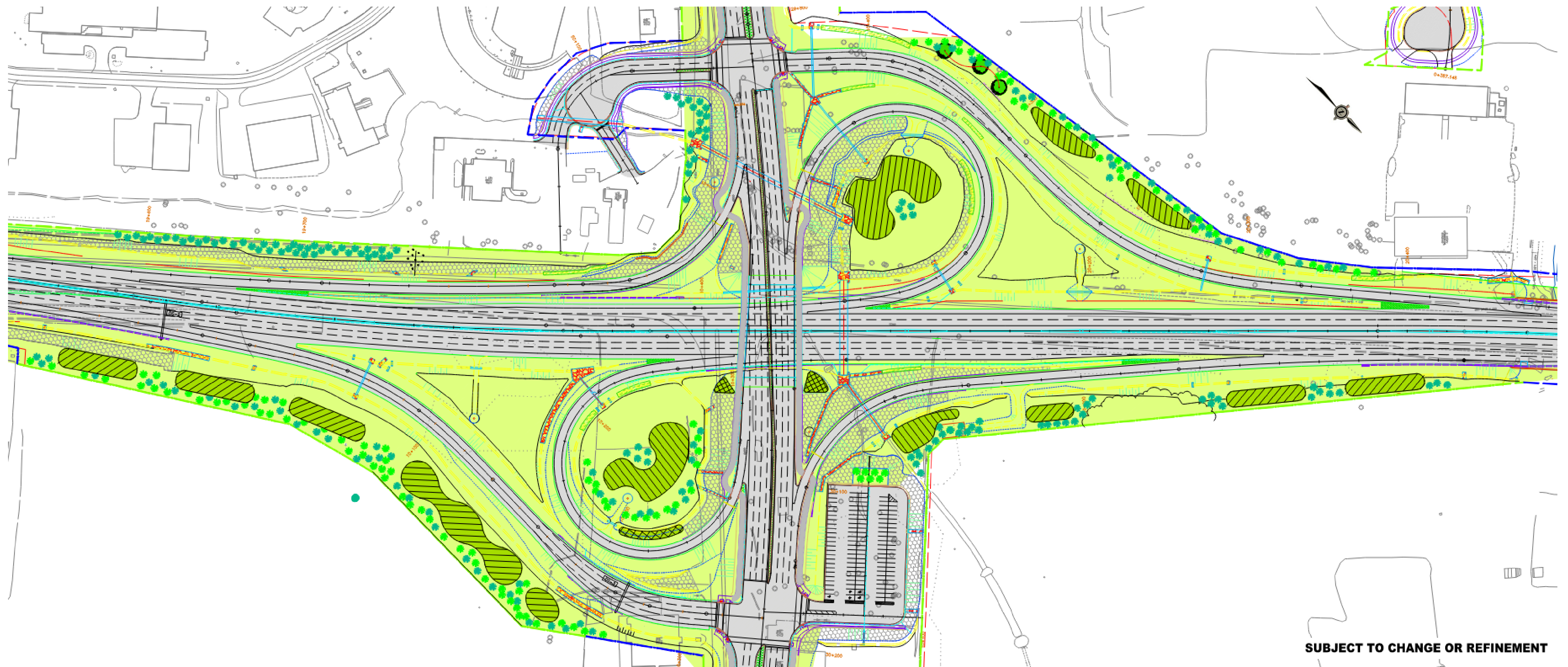
### LEGENDS

- Limit of Culvert extension
- Retaining wall length
- Headwall over existing twin culvert



# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Landscaping Plan



Refer to roll plan for more details of the Landscaping Plan.

### LEGEND

-  CONIFEROUS TREES
-  DECIDUOUS TREES
-  REFORESTATION AREA
-  SHRUB/MASS PLANTINGS

# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## PROPOSED DRAINAGE IMPROVEMENTS

### Culverts

- Install new culverts 1A, 1, 2 and 2A to provide sufficient hydraulic capacity.
- Remove existing Culverts 1 and 2.
- Extend Culverts 3 & 4 (at Borer's Creek) to east and west to accommodate fill resulting from Highway 6 widening.

### Storm Sewers

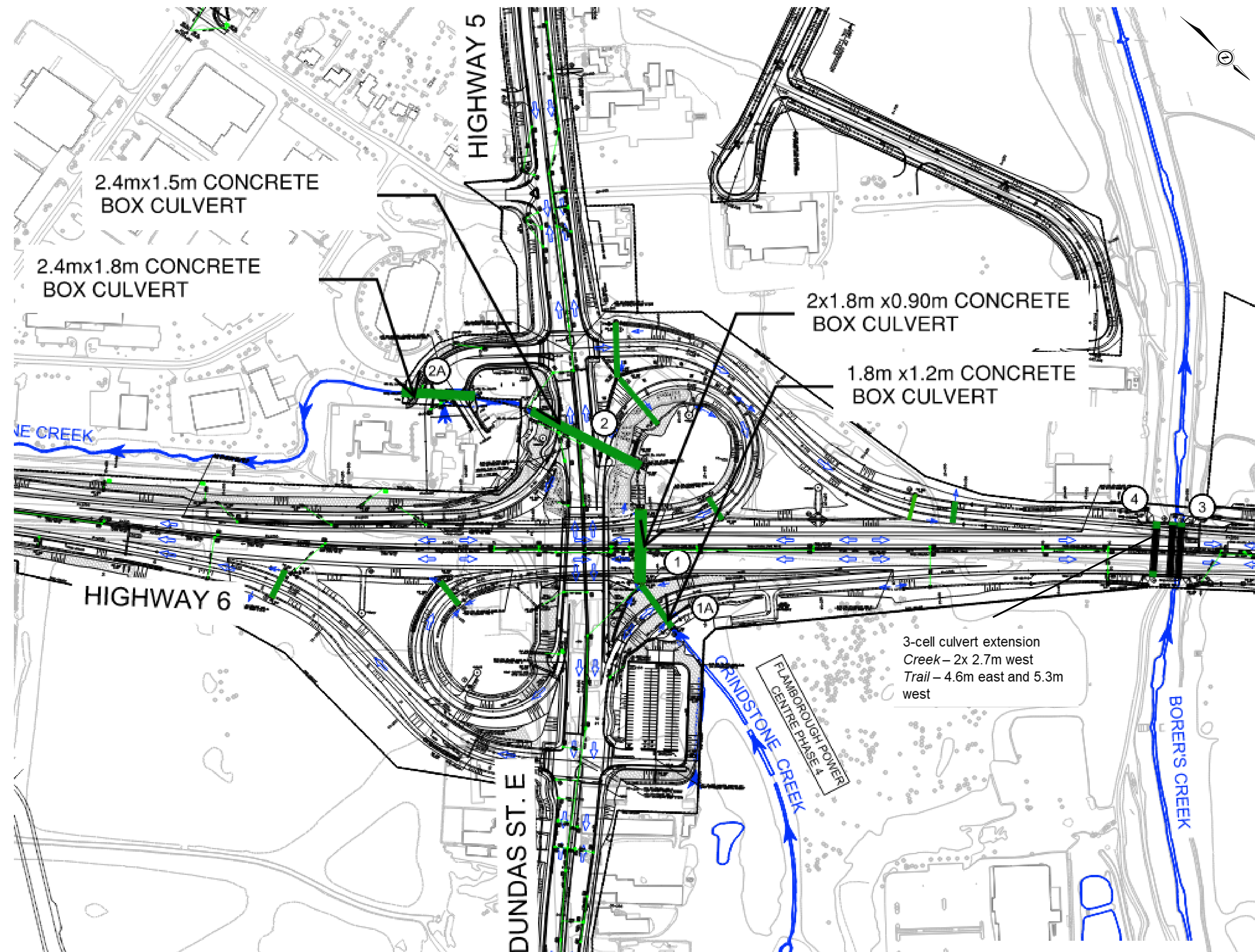
- Under Highway 6 storm sewer systems will be installed to capture inside lanes draining to the median and conveying minor system drainage to swales.
- At Highway 5, sewer systems will be installed to convey minor system drainage to culverts/ditches.

### Stormwater Treatment

- Existing Stormwater Management ("Tech Park") Pond located behind Technology Park will continue to provide quality and quantity controls to runoff water resulting from interchange area. Refer to slide 34 for the location of "Tech Park" Pond.

### Erosion and Sediment Control

- Erosion & sediment control measures will be installed prior to construction.



# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Illumination:

- Existing conventional lighting along Hwy 6 will be replaced with new High Mast LED lighting in the median, including LED underpass lighting on the New Highway 5 and Dundas Street East Underpass.
- The existing lighting on Highway 5 and Dundas Street East within the project limits will be replaced with new conventional LED lighting conforming to Ministry and City of Hamilton standards.
- To prevent light spillage onto adjacent properties from the high mast lighting, luminaire shields where required will be used.
- Underpass illumination will be provided at the pedestrian crossing at Borer's Creek.



LED High Mast Lighting on Highway 407



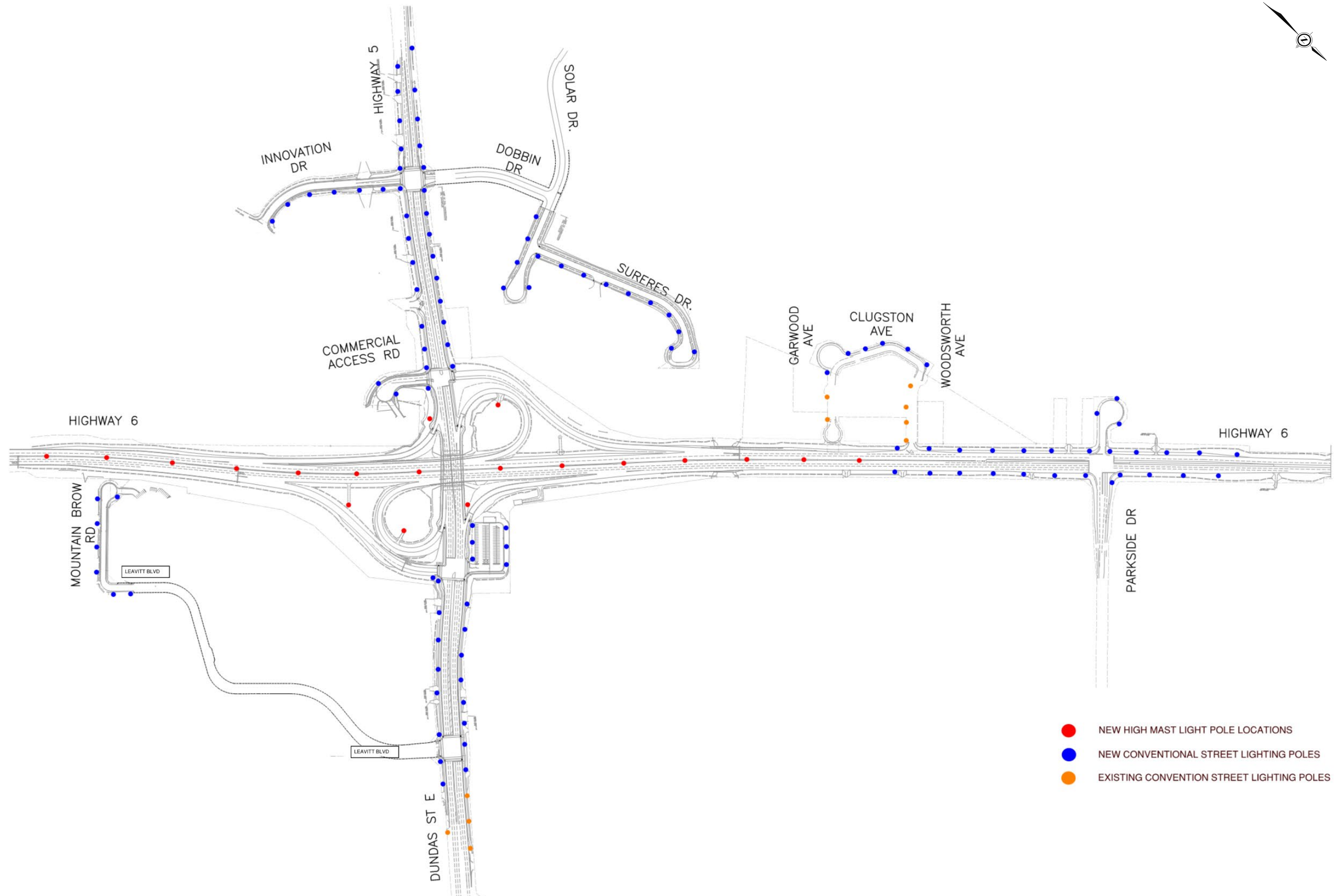
Underpass LED Lighting on Highway 403 and Ridgeway Drive



Conventional LED Lighting on Side Roads

# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Electrical Improvements – High Mast and Conventional Pole Layout



# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Traffic Signal / Electrical Lighting

### New Traffic Signals

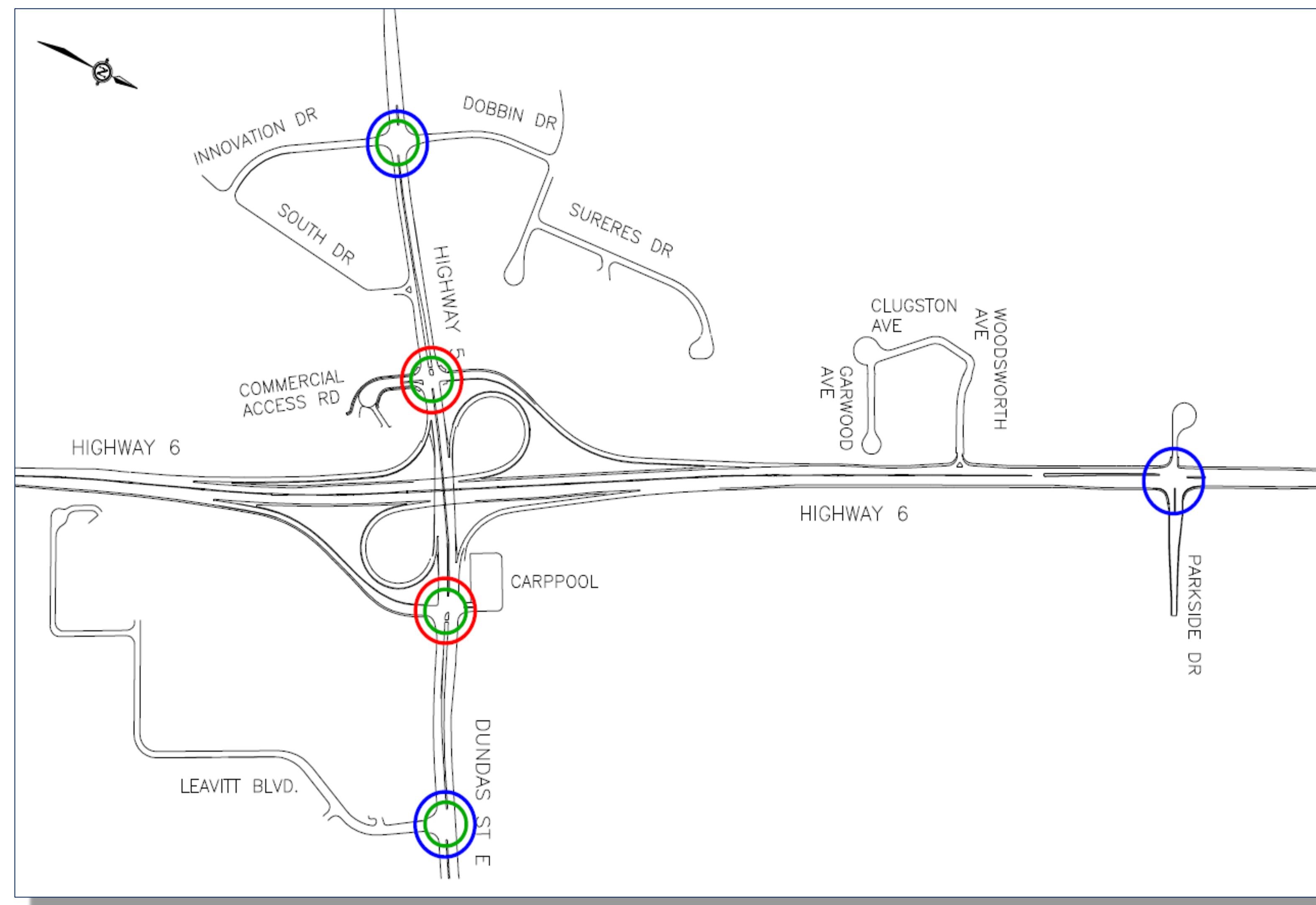
- Hwy 5 at N-E/W Ramp and Commercial Access Rd
- Hwy 5 at S-E/W Ramp and Carpool Access

### Existing Traffic Signals Modifications

- Hwy 5 and Dobbin Dr/Innovation Dr
- Dundas St and Leavitt Blvd
- Hwy 6 and Parkside Dr

### AODA Compliance & Bicycle Signals

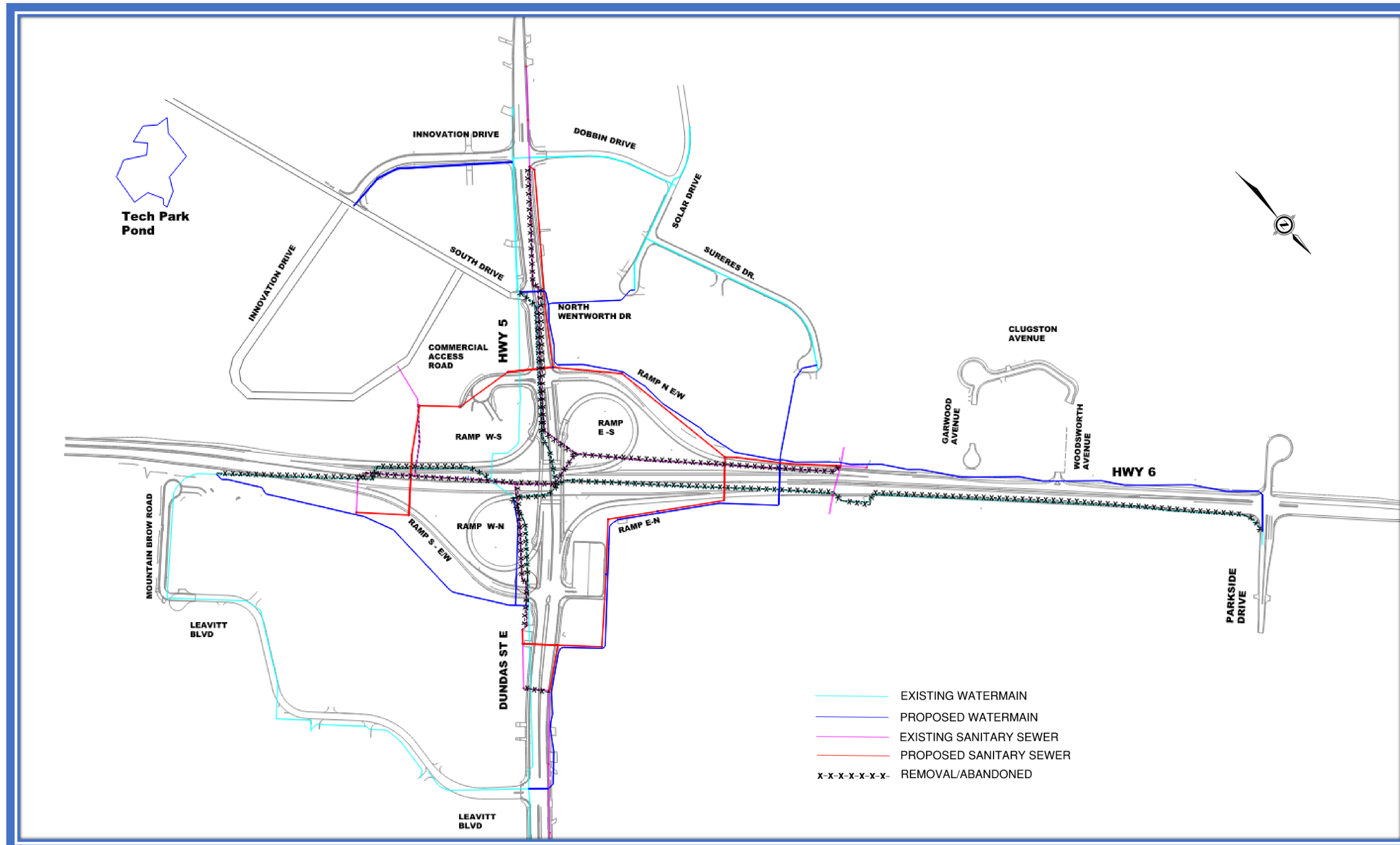
- Hwy 5 at N-E/W Ramp and Commercial Access Rd
- Hwy 5 at S-E/W Ramp and Carpool Access
- Hwy 5 and Dobbin Dr/Innovation Dr
- Dundas St and Leavitt Blvd



# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Watermain and Sanitary Sewer Works

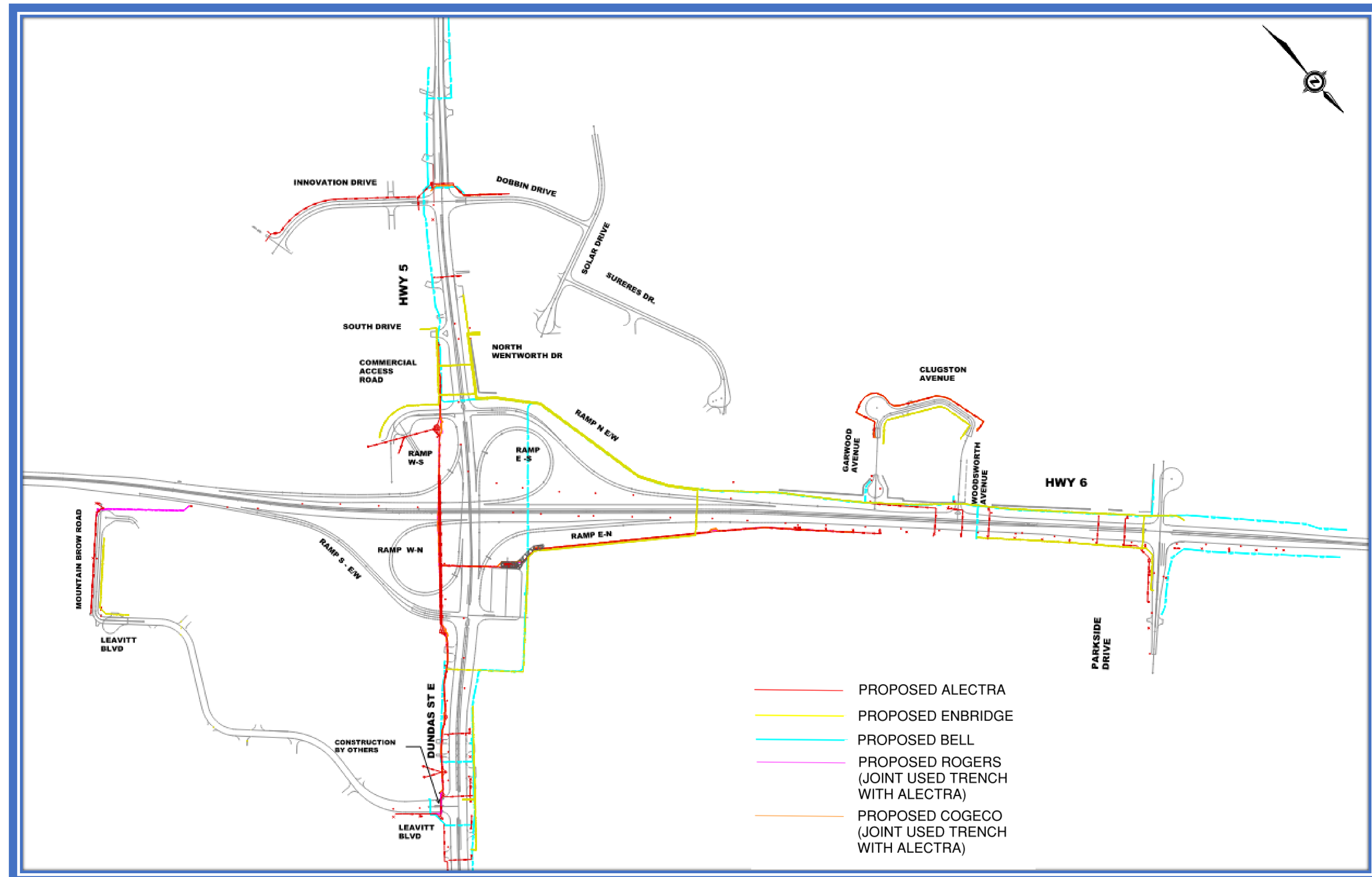
Existing Watermain and Sanitary Sewer along Highway 5 and Highway 6 will be impacted by the proposed works. Disruption to services will be minimized to the extent possible.



# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Advance Utility Works

Relocation of Alectra, Enbridge, Bell, Rogers and Cogeco to be constructed in advance of the new interchange project.



## Property

- MTO endeavored to minimize property impacts throughout the project including the Preliminary Design Study and the Detailed Design.
- All impacted property owners have been contacted by a Real Estate Officer from the Ministry of Transportation of Ontario.

## Permission to Enter and Construct

- Some property owners will receive a Permission to Enter and Construct (PTE&C) letter. The purpose of these letters is to access the driveway during construction to complete the planned paving within the owner's properties.
- If you have any questions, please send an email to:  
[info@hwy5andhwy6interchange.ca](mailto:info@hwy5andhwy6interchange.ca).

# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Impact Assessment Table

Environmental Features/ Issues/Concerns	Potential Impacts	Mitigation/Protection/Monitoring	Net Effects
Erosion and Sediment Control	Sediment transport from the construction site to the receiving watercourse could have an impact on water quality, fish and aquatic habitat.	An Erosion and Sediment Control Plan will be developed to minimize the potential for erosion on the site, and to intercept sediment during rain events and treat the runoff.	Environmental inspections will be conducted during construction to ensure that protection measures are implemented, maintained and repaired, and remedial actions are taken where warranted.
Surface Water	Impervious area will increase slightly due to proposed new roads, highway widening, paved shoulders, etc. resulting in minor increases in runoff.	Surface water during construction will be managed as per specifications in the Erosion and Sediment Control Plan. Permanent works include vegetated roadside ditches, storm sewers and culverts.	Surface water quantities will increase slightly however it is anticipated to have minimal impacts on the receiving watercourse.
Groundwater	Dewatering requirement is being investigated.	An Environmental Activity and Section Registry (EASR) or a Permit To Take Water (PTTW) will be submitted to the Ministry of the Environment, Conservation and Parks for dewatering requirements, if applicable.	Dewatering will follow requirements of the EASR or PTTW. No net effects are anticipated.
Fish and Fish Habitat	Minimal impacts to fish and fish habitat are anticipated.	Fish passage will be maintained during construction.  No in-water construction works at Borer's Creek will be conducted between March 15 and July 1 of any given year.	Impact to fish and fish habitat has been minimized through design.  A Spill Control and Response Plan will be developed and implemented to prevent deleterious substances from entering watercourses. An Emergency Spill Kit will be kept on-site in case of spills or fluid leaks from equipment.

# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Impact Assessment Table

Environmental Features/ Issues/Concerns	Potential Impacts	Mitigation/Protection/Monitoring	Net Effects
Vegetation and Vegetation Communities	Existing vegetation by the road will be removed.  No plant species at risk will be impacted.	Construction area will be delineated to protect and minimize impacts to vegetation.  Any exposed soils will be re-vegetated.	The amount of vegetative clearing will be minimized by setting clear construction boundaries.
Wildlife and Wildlife Habitat	Impacts to wildlife habitat are anticipated to be minimal.  No wildlife species at risk will be impacted.	Disturbance, clearing or disruption of vegetation where birds may be nesting will be completed outside the window of April 1 to August 31 to avoid the bird breeding season, unless a screening for active bird nests is completed by a qualified avian biologist.	Net impacts to wildlife and habitat will be negligible.
Archaeology	Stage 2 Archaeological Assessments are being undertaken on 8 property parcels.	The Ontario Ministry of Citizenship and Multiculturalism will be notified should archaeological material be found during construction activities.	
Cultural Heritage	An assessment of Built Heritage Resources and Cultural Heritage Landscapes within the study area was undertaken. A cultural heritage evaluation is being completed for one property.	Mitigation and protection measures will be considered based on the results of the cultural heritage evaluation of the property.	
Air Quality	Air quality during construction may be affected with dust impacts from heavy construction equipment.	Provisions to minimize potential temporary impacts during construction include following best management practices such as dust suppression and periodic watering, as required.	Impacts will be minimized and will be temporary.

# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Impact Assessment Table

Environmental Features/ Issues/Concerns	Potential Impacts	Mitigation/Protection/Monitoring	Net Effects
Land Use	<p>Changes to existing and planned land uses are anticipated by the construction of the new interchange and municipal roads.</p> <p>Removal of agricultural lands and impacts to agriculture related traffic.</p>	<p>The municipal road network will provide access to businesses and residences in the area, which is compatible with the surrounding land uses.</p> <p><u>Niagara Escarpment Plan</u> - lands south of Highway 5 and along Highway 6 are within the Niagara Escarpment Plan area. The Plan's guidelines for transportation infrastructure will be considered in the Detail Design to avoid and minimize environmental impacts.</p> <p>Construction works will be staged to avoid and/or minimize duration of closures of entrances/exits to the extent possible. Signage and temporary traffic signals will be used to maintain traffic flow.</p>	<p><u>Greenbelt Plan</u> - The project meets the objective of serving "the significant growth and economic development expected in southern Ontario beyond the Greenbelt by providing for the appropriate infrastructure connections among urban centres and between these centres and Ontario's borders" (Section 4.2.1 of the Plan).</p> <p>Efforts were made to avoid prime agricultural lands, however, to accommodate access to residences and businesses, the displacement of prime agricultural lands was unavoidable.</p>
Socio-Economic	<p>Loss of time for residents travelling through the construction zone, and property impacts due to the construction.</p> <p>Some construction activities can increase noise levels and may cause disruption to residents in close proximity.</p>	<p>A staging plan is being developed to minimize impacts to traffic and road closures.</p> <p>Advance notification will be provided to local residents.</p> <p>Mitigation measures will be included in the contract documents to minimize construction noise.</p>	<p>The impacts on traffic will be minimized and will be temporary.</p> <p>The duration of increased noise levels resulting from construction activities is anticipated to be temporary and short in duration.</p>

# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Impact Assessment Table

Environmental Features/ Issues/Concerns	Potential Impacts	Mitigation/Protection/Monitoring	Net Effects
Illumination	The existing lighting system will be replaced with high mast illumination.	To prevent light spillage onto adjacent properties from the high mast lighting, luminaire shields where required will be used.	
Traffic Safety	Traffic safety concerns.	The project team has reviewed the roadside safety components and determined that traffic barriers were not deemed necessary.	
Management of Excess Materials	Excess materials from construction will be present at the site and may have adverse effects if not dealt with properly.	Material generated on site will be used for construction if possible. Unsuitable material will be appropriately managed on site or disposed of at an approved disposal site in accordance with Ontario Regulation 406/19 – On-site and Excess Soil Management.	All materials will be properly used or disposed of and will not cause any adverse impacts to the site.

## Comments

Your feedback is important. We invite you to complete the comment form provided at this PIC and drop it in the comment form box provided or return it by **June 24, 2024**.

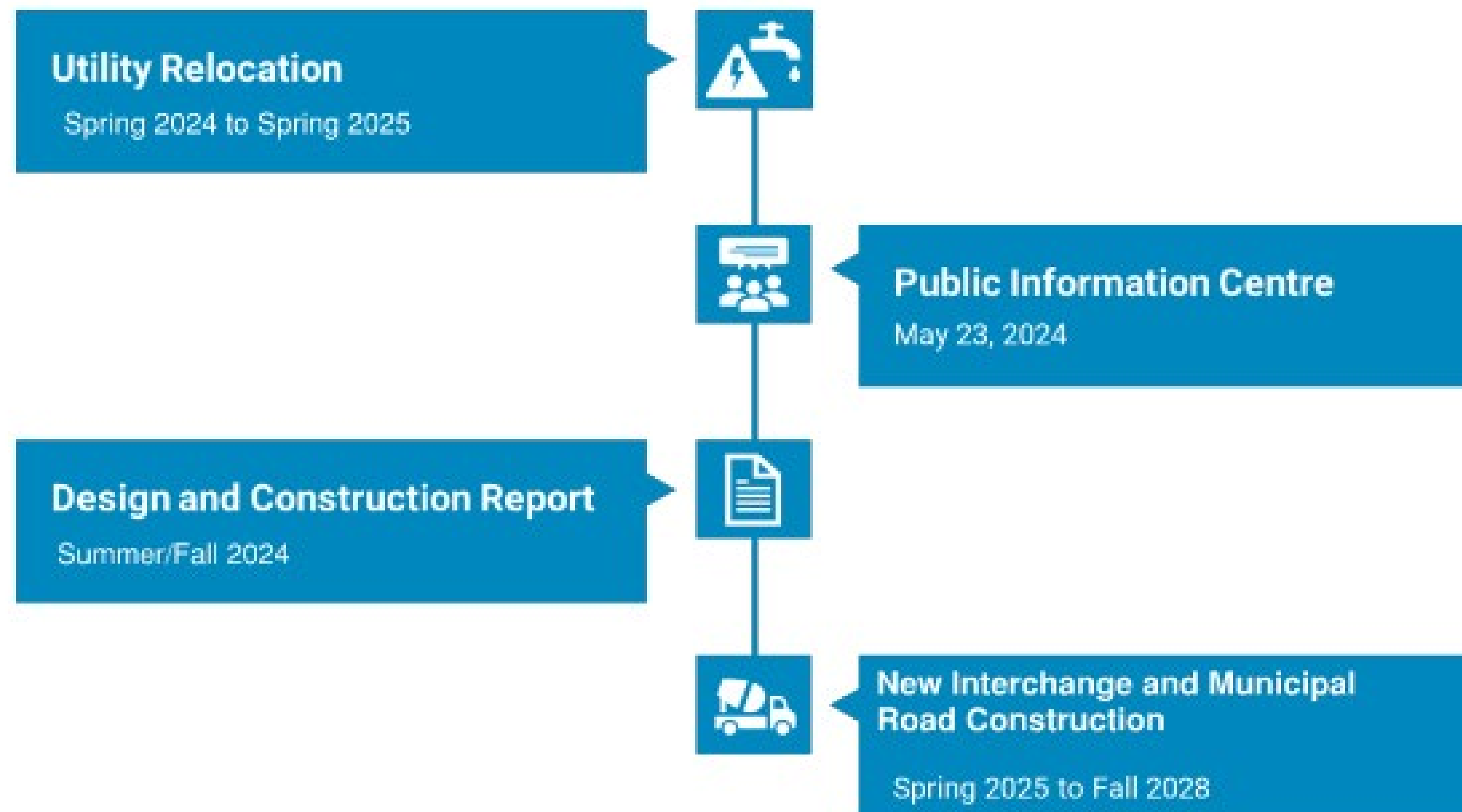
Comments and information regarding this project are being collected to assist the Project Team in meeting the requirements of the Ontario *Environmental Assessment Act*. Information will be collected in accordance with the *Freedom of Information and Protection of Privacy Act*. With the exception of personal information, all comments will become part of the public record.

## Next Steps

- Comments received from external agencies, property owners and the public will be reviewed and incorporated into the detail design, where appropriate.
- The Detail Design will be finalized.
- The Design and Construction Report (DCR) will be released for a 30-day public and agency review and comment period.
- Proceed to construction

# NEW HIGHWAY 5/HIGHWAY 6 INTERCHANGE AND ASSOCIATED MUNICIPAL ROADS PUBLIC INFORMATION CENTRE

## Project Schedule



*Note: Schedule subject to change.*

## **Your Feedback is Important**

If you wish to be included on the mailing list, require further information, or wish to provide input to this study, please contact either of the following Project Team members:

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Consultant Project Manager

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Thank you for your participation in this project

Pour de l'aide en français, veuillez communiquer avec Jennifer Noël ([jnoel@lgl.com](mailto:jnoel@lgl.com)) ou 519-622-3300

