

# Public Information Centre

## Highway 401 and Highway 4 (Colonel Talbot Road) Interchange Reconfiguration & Highway 4 and Glanworth Drive Bridge Replacements

Design-Build Contract 2022-3008

September 20, 2023



## Highway 401 and Highway 4 (Colonel Talbot Road) Interchange Reconfiguration & Highway 4 and Glanworth Drive Bridge Replacements

### Welcome to the Public Information Centre (PIC)

The Ministry of Transportation, Ontario (MTO) is hosting this drop-in session to:

- Provide an update on the Class Environmental Assessment (EA) process;
- Present the Preferred Design;
- Summarize the anticipated environmental impacts and proposed mitigation measures;
- Advise of next steps; and,
- Receive your comments.

Pour des renseignements en Français veuillez communiquer avec Sydney Tasfi au 1-877-934-5566.



Previous reports completed include:

- Transportation and Environmental Study Report (TESR; 2004)
- Preliminary Design and TESR Addendum (2018).

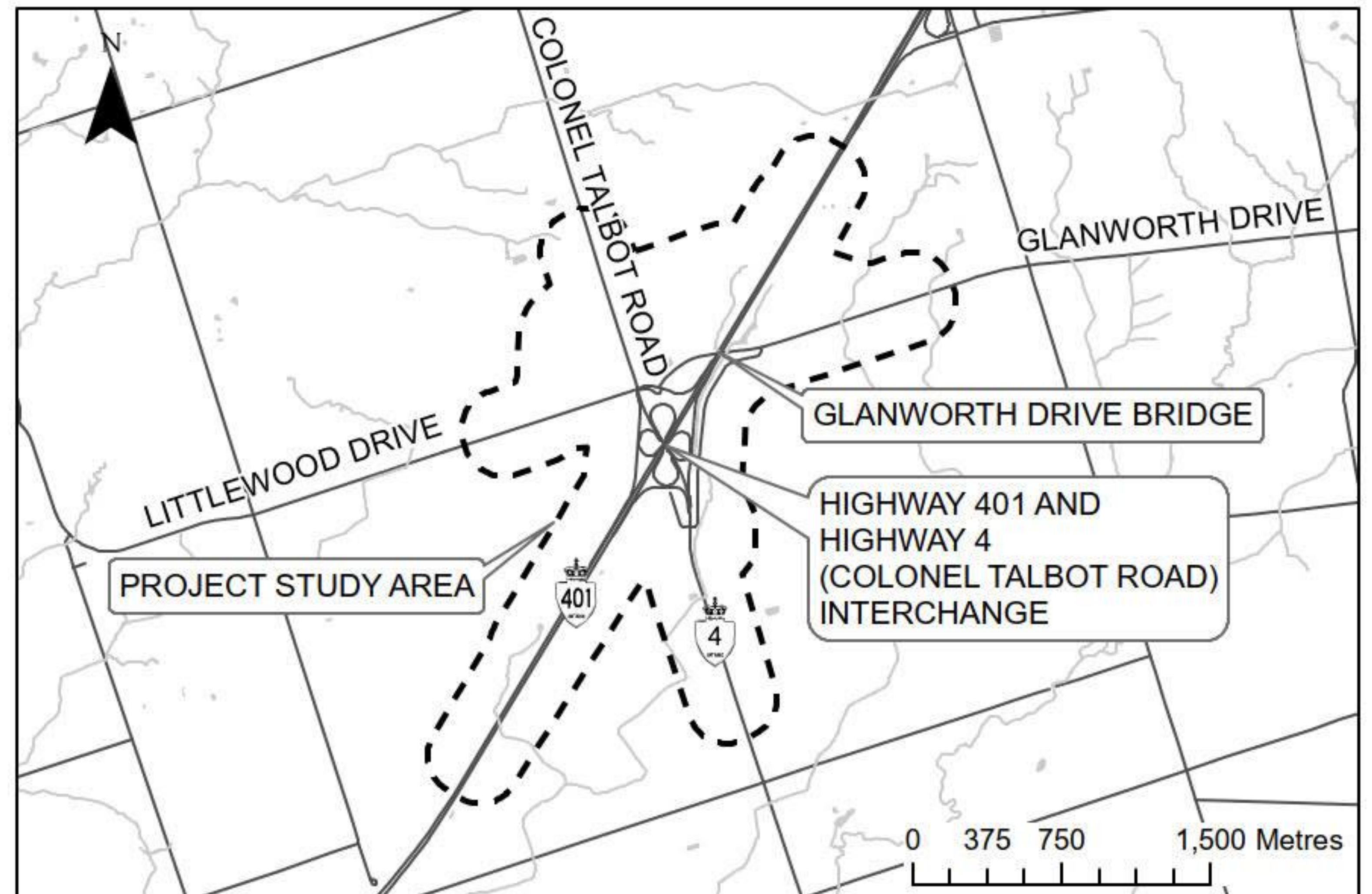
Ongoing works include:

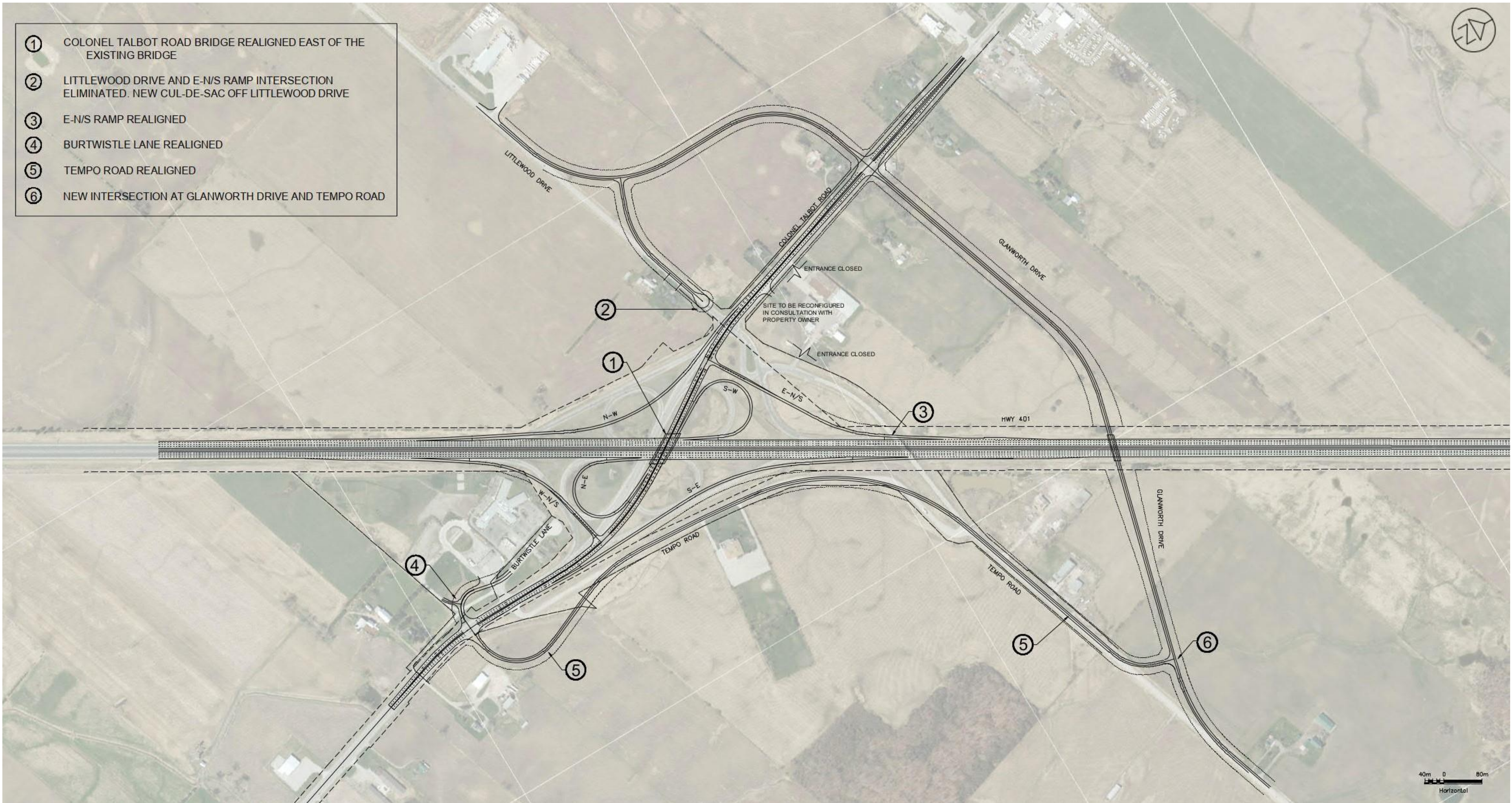
- MTO has retained Green Infrastructure Partners (GIP) Paving Inc. and Dillon Consulting Limited (Dillon) to complete the Design-Build Contract (2022-3008), which includes the completion of the Class Environmental Assessment (EA) process, Detailed Design and construction.



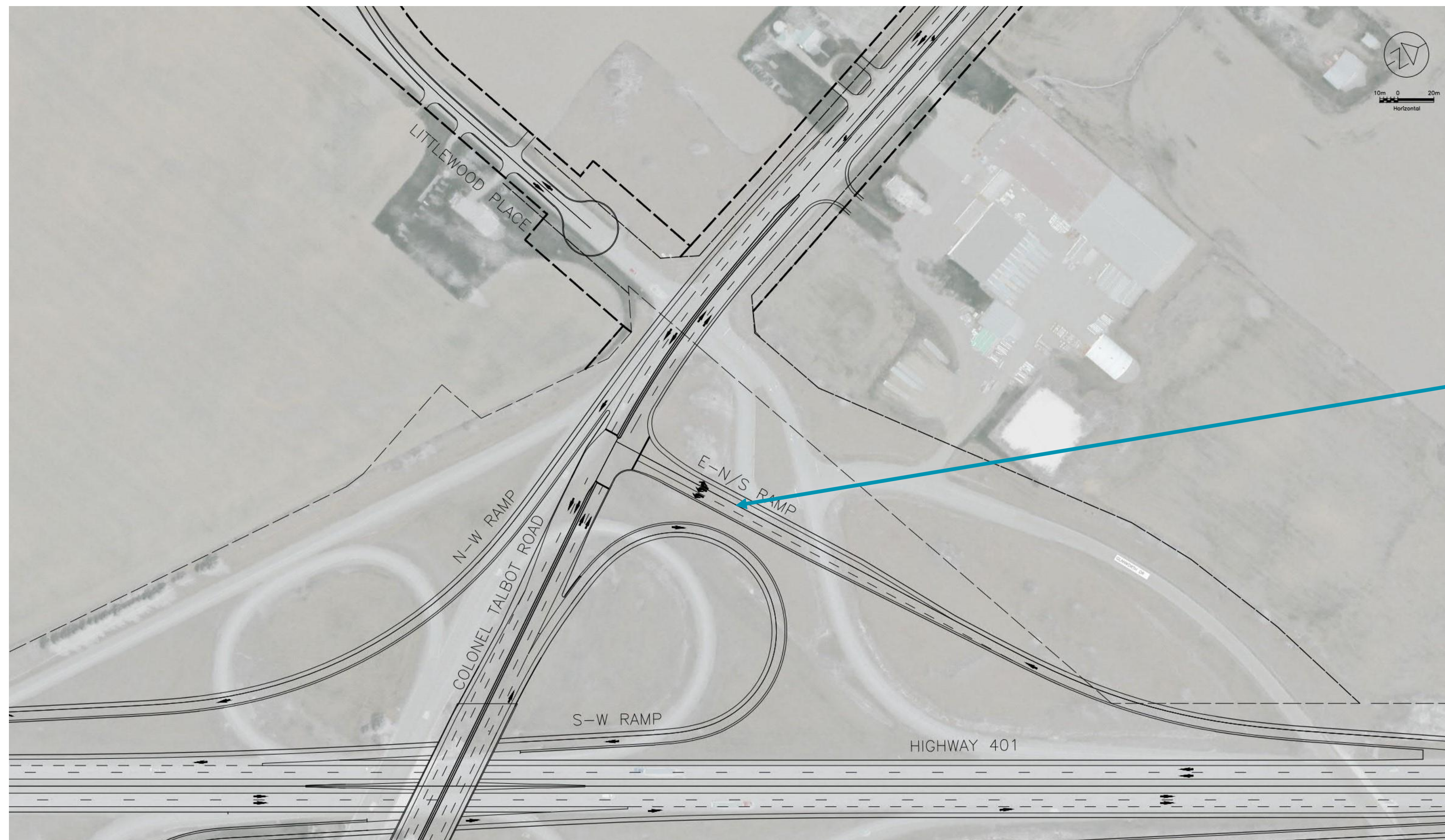
The Preferred Design was previously approved in 2018 and includes:

- Replace the Highway 4 bridge on a slight alignment shift to the east of the existing bridge;
- Replace the existing Glanworth Drive bridge on a new alignment to the east over Highway 401;
- Realign Burtwistle Lane and Tempo Road at Highway 4; and,
- Realign Glanworth Drive and Littlewood Drive to a new intersection at Colonel Talbot Road, north of the existing connection.





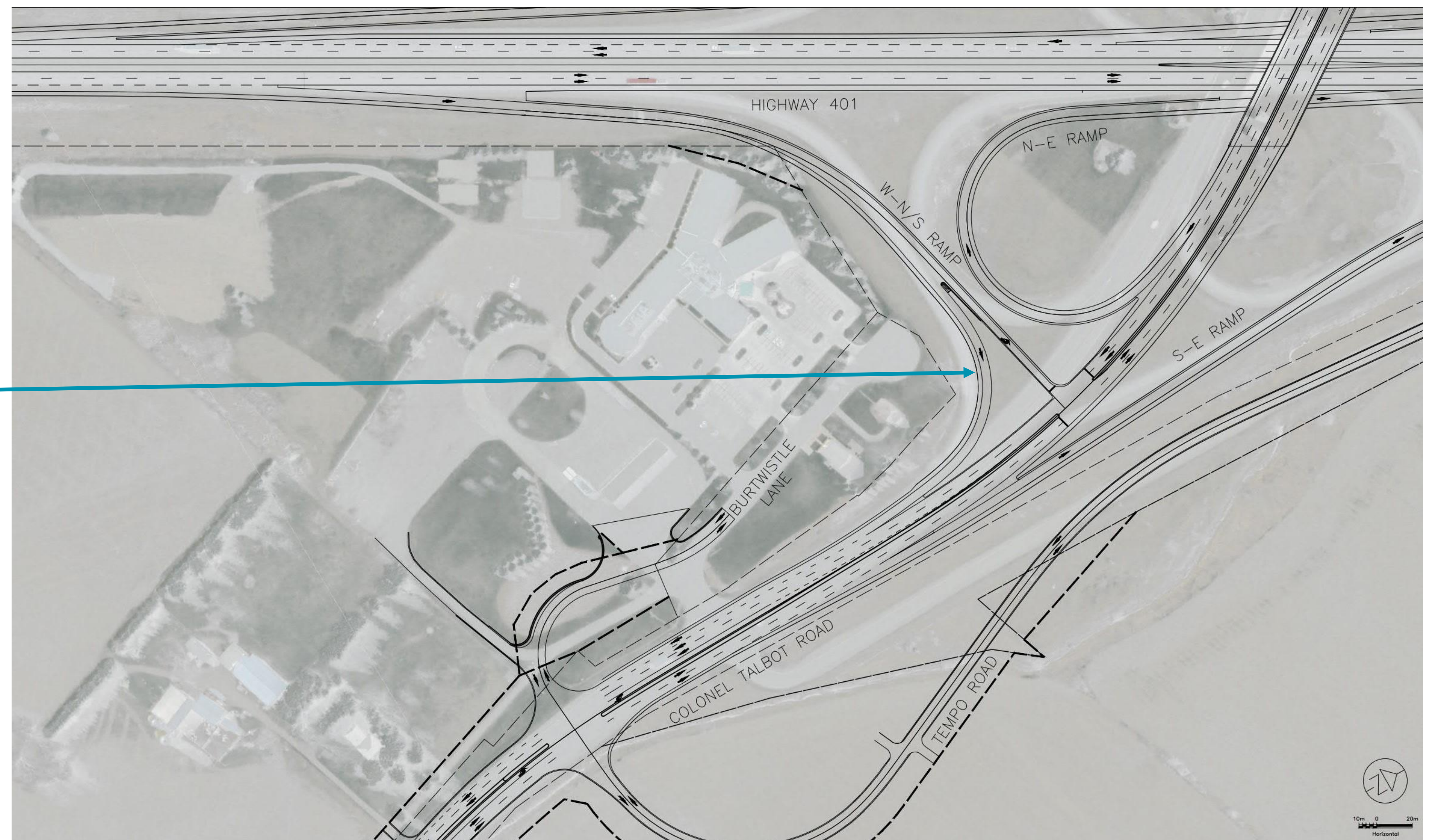
Minor refinements to the approved design have been incorporated to accommodate anticipated increases in traffic due to growth in the area.



Second left turn lane added to ramp

Minor refinements to the approved design have been incorporated to accommodate anticipated increases in traffic due to growth in the area.

Right turn lane  
adjusted





- Continued consultation with stakeholders and property owners;
- Phase I and/or II Environmental Site Assessment for areas indicated as high potential for contamination; and,
- Archaeological assessment for previously undisturbed lands impacted by the Preferred Design Alternative.



Anticipated Impacts	Proposed Mitigation Measures
<p><b>Traffic Operations and Safety</b></p>	<ul style="list-style-type: none"> <li>• All traffic staging will be implemented following Ontario Traffic Manual Book 7 – Temporary Conditions.</li> <li>• Temporary traffic signals will be used during construction.</li> <li>• Consultation with Emergency Service Providers to obtain input on traffic management and staging.</li> </ul>
<p><b>Agricultural Land Use</b></p>	<ul style="list-style-type: none"> <li>• Glanworth Drive and Littlewood Drive will be realigned along existing property boundaries to minimize fragmentation of farmland and to mitigate impacts to land used for agricultural production.</li> </ul>
<p><b>Other Land Uses</b></p>	<ul style="list-style-type: none"> <li>• Existing access to and from businesses will be maintained during construction.</li> </ul>
<p><b>Cultural Resources</b></p>	<ul style="list-style-type: none"> <li>• Completing an Archaeological Assessment and concurrence from the Ministry of Citizenship and Multiculturalism prior to construction will ensure that no disturbances to archaeological resources will occur.</li> </ul>
<p><b>Source Water Protection</b></p>	<ul style="list-style-type: none"> <li>• Ancillary project activities (application of road salt, handling and storage of fuel, etc.) pose a low risk to local groundwater and surface water quality.</li> <li>• Best management practices will be applied, adhere to established Ministry plans and policies, and implement special contract provisions protecting ground and surface water.</li> </ul>

Anticipated Impacts	Proposed Mitigation Measures
<p><b>Drainage and Hydrology</b></p>	<ul style="list-style-type: none"> <li>• Impacts to the existing drainage infrastructure will be mitigated through design supported by hydrologic and hydraulic analyses to maintain existing capacities and accommodate the needs of the new interchange configuration.</li> <li>• Property owners will be consulted and impacted tile drains will be constructed and reconnected to maintain proper drainage.</li> <li>• Stormwater Management Ponds throughout the interchange will be constructed where necessary.</li> </ul>
<p><b>Fish and Fish Habitat</b></p>	<ul style="list-style-type: none"> <li>• Mitigation measures include timing restrictions, isolation of work areas, maintenance of downstream flow, fish salvage, bank stabilization, restoration of disturbed areas, and appropriate sedimentation and erosion control measures will be provided.</li> <li>• Best management practices related to handling of fuel, excess materials and debris will be incorporated into the construction contract.</li> </ul>
<p><b>Potentially Contaminated Property</b></p>	<ul style="list-style-type: none"> <li>• Phase I and/or II Environmental Site Assessments of affected properties will be completed prior to construction.</li> </ul>

Anticipated Impacts	Proposed Mitigation Measures
<p><b>Erosion and Sedimentation</b></p>	<ul style="list-style-type: none"> <li>Site specific control measures will be developed during Detailed Design following MTO’s <i>Environmental Guide for Erosion and Sediment Control during Construction of Highway Projects (2007)</i> to minimize impacts.</li> </ul>
<p><b>Terrestrial Ecosystem</b></p>	<ul style="list-style-type: none"> <li>Bridge structures will be examined by a qualified avian biologist to determine the presence of nests and appropriate measures to ensure compliance with the <i>Migratory Birds Convention Act (1994)</i>.</li> <li>A salvage plan will be in place for any herptiles in the work area.</li> </ul>
<p><b>Vegetation Removal</b></p>	<ul style="list-style-type: none"> <li>Removals will be minimized where possible, including the use of Tree Protection Zones.</li> <li>Removals will be completed outside of the breeding bird period (April 1 to August 31).</li> <li>Removals that must occur within the breeding bird period will be monitored by a qualified avian biologist, including nest sweeps of the area prior to construction work.</li> <li>Disturbed areas will be stabilized and re-vegetated with native species.</li> </ul>
<p><b>Short-Term Construction</b></p>	<ul style="list-style-type: none"> <li>Noise, vibrations and air quality (dust) impacts during construction are anticipated to be mitigated by construction best practices.</li> <li>Traffic staging, including the movement of heavy equipment and machinery to and from staging areas and on local road networks will adhere to Ontario Traffic Manual Book 7 – Temporary Conditions.</li> </ul>

## The following permits and approvals are anticipated for the project:

- Ministry of Citizenship and Multiculturalism concurrence of required Archaeological Assessment Reports;
- Department of Fisheries and Oceans Project Notification Form 2 (Moderate/High Risk), if required;
- Wildlife Scientific Collectors Authorization for species salvage, if necessary; and,
- Municipal Drain Act Section 78 approval for the realignment of Fournie Drain and Gold Seal Drain.



- Construction is anticipated to begin in March 2024.
- Traffic will be detoured as needed on City of London, Middlesex County, or County of Elgin roads.
- Stakeholders and Emergency Service Providers will be advised 2 weeks in advance of any changes to traffic flow and construction schedule.
- Access to businesses and residences will be maintained during construction.

**\*Please note: the work and schedule below are anticipated and are subject to change.**

2024			2025	
Road	Description	Duration	Description	Duration
Highway 401	<ul style="list-style-type: none"> <li>Single-lane closures for median work</li> <li>Full closure for girder erection at Glanworth Drive</li> </ul>	<ul style="list-style-type: none"> <li>April - November</li> <li>November (4 nights)</li> </ul>	<ul style="list-style-type: none"> <li>Full closure for girder erection at Colonel Talbot Road</li> </ul>	<ul style="list-style-type: none"> <li>September (4 nights)</li> </ul>
Tempo Road	<ul style="list-style-type: none"> <li>Closure from Colonel Talbot Road to Union Hall</li> </ul>	<ul style="list-style-type: none"> <li>June - September</li> </ul>	<ul style="list-style-type: none"> <li>Closure from Union Hall to Glanworth Drive</li> </ul>	<ul style="list-style-type: none"> <li>July - September</li> </ul>
Glanworth Drive	-	-	<ul style="list-style-type: none"> <li>Short-term closures to tie-in realigned roads</li> </ul>	<ul style="list-style-type: none"> <li>August - September</li> </ul>
Littlewood Drive	-	-	<ul style="list-style-type: none"> <li>Short-term closures to tie-in realigned roads</li> </ul>	<ul style="list-style-type: none"> <li>August - September</li> </ul>
SW and WN Ramps	-	-	<ul style="list-style-type: none"> <li>Closure for construction of Colonel Talbot Road structure</li> </ul>	<ul style="list-style-type: none"> <li>April - October</li> </ul>







\*Please note: the work and schedule below are anticipated and are subject to change.

2026

Road	Description	Duration
Highway 401	<ul style="list-style-type: none"> <li>Closures on the outside eastbound and westbound lanes for shoulder and lane work</li> <li>Single-lane closures for paving and median work</li> </ul>	<ul style="list-style-type: none"> <li>June – November</li> <li>May - July</li> </ul>
Tempo Road	<ul style="list-style-type: none"> <li>Closure to tie-in realigned Colonel Talbot Road</li> </ul>	<ul style="list-style-type: none"> <li>July</li> </ul>
Colonel Talbot Road	<ul style="list-style-type: none"> <li>Closure to complete tie-in work</li> <li>Single-lane closures for paving</li> </ul>	<ul style="list-style-type: none"> <li>September – November</li> <li>May - July</li> </ul>
All ramps	<ul style="list-style-type: none"> <li>Closure for construction of interchange ramps</li> </ul>	<ul style="list-style-type: none"> <li>April - November</li> </ul>



The following activities will be undertaken following this event:

-  Address comments received at the Public Information Centre
-  Continue assessment of environmental impacts and development of mitigation measures
-  Finalize the detailed design
-  Issue the DCR for 30-day public comment period\*  
*\*target date December 2023 – January 2024*
-  Receive environmental clearance
-  Proceed to construction\*  
*\*target date March 2024 (subject to approvals)*

## THANK YOU FOR PARTICIPATING IN THIS STUDY

Project details and a copy of the PIC  
materials are available at  
[www.Hwy401ColTalbot.com](http://www.Hwy401ColTalbot.com)

Your comments and questions may  
be submitted via the project email:  
[Hwy401ColTalbot@dillon.ca](mailto:Hwy401ColTalbot@dillon.ca)

Please submit your comments by  
**October 4, 2023.**

Information collected will be used 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.

All media inquiries shall be directed to MTO's Communications Branch at (416) 327-1158 or [mto.media@Ontario.ca](mailto:mto.media@Ontario.ca).