

Town of Halton Hills Engineering

Transportation and Infrastructure
2017 Project Overview

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Manager of Transportation and
Development Engineering

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Transportation Planner



Department Overview

Design & Construction Projects

**Transportation & Development
Projects**

Discussion

Planning & Infrastructure Department Overview



Vision: To ensure Halton Hills enjoys the highest quality of life by being a great place to work, play, live and invest.

Mission: To plan, build and maintain a complete and sustainable community through the delivery of policies, programs and services.

Engineering Division

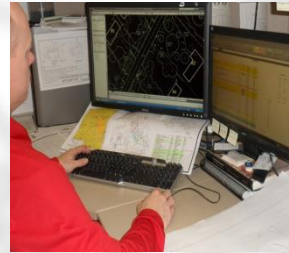
Design & Construction

- Engineering Design
- Contract Administration
- Project Management
- Survey
- Construction Inspection
- Asset Management
- Utility Locates

Transportation & Development Engineering

- Transportation Planning
- Traffic Operations
- Subdivision Development
- Active Transportation
- Environmental Assessments
- Site Alteration
- Water Resources

Department Overview – Key Services



Department Overview – Key Services

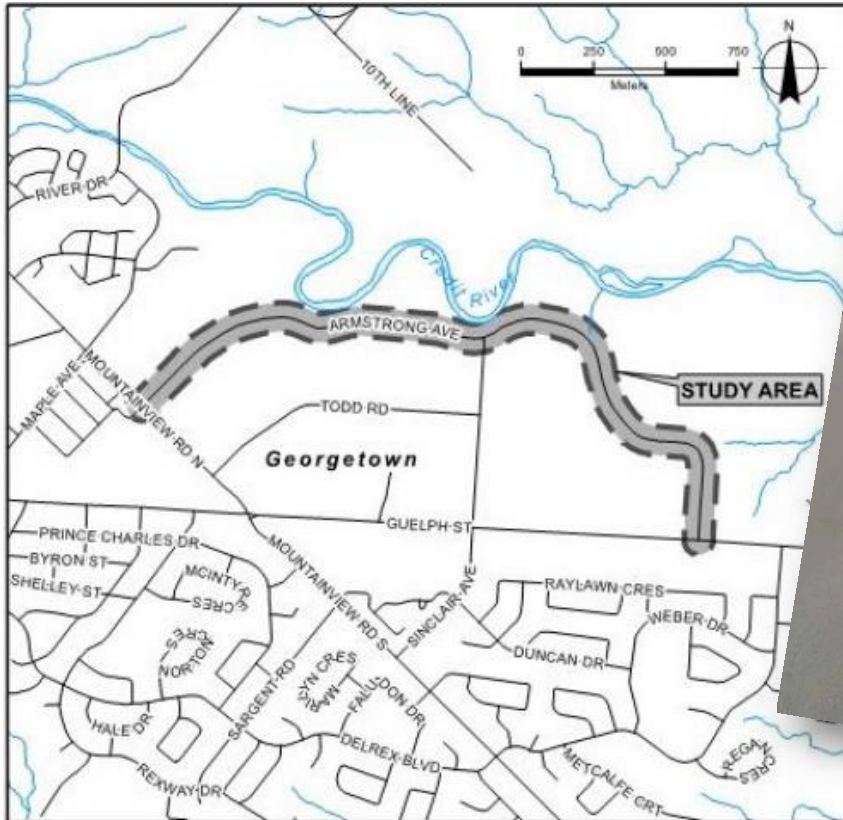


Design & Construction Projects 2017

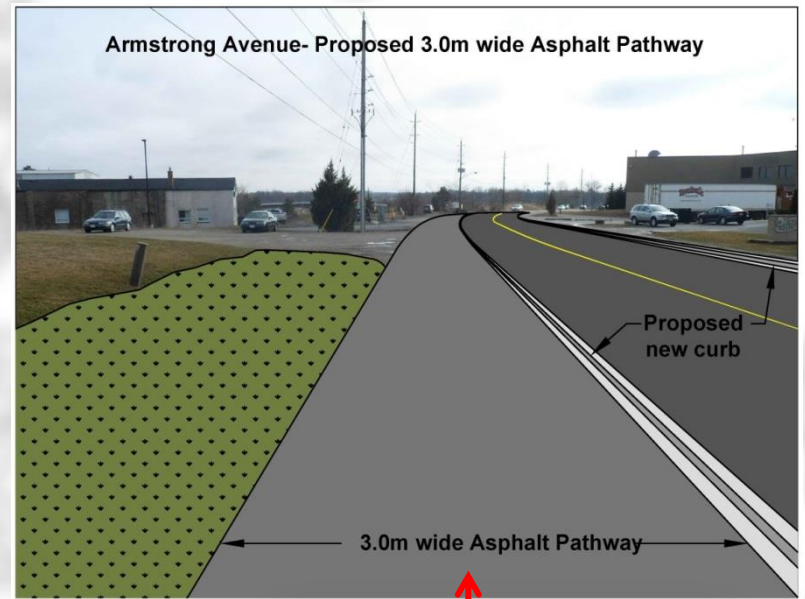
- Armstrong Avenue Reconstruction (Phase 1)
- Sinclair Avenue Multi-Use Path
- Armstrong Avenue Storm Outfall Repair
- Pavement Management Program
- Main Street (Acton) Resurfacing

- Secondary Plan Studies

Armstrong Avenue Reconstruction



Armstrong Avenue Reconstruction

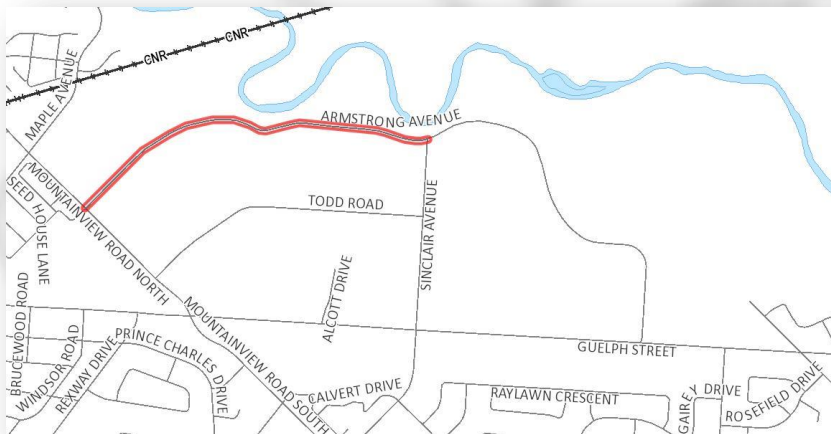


Conceptual sketches

Armstrong Avenue Reconstruction - Phasing

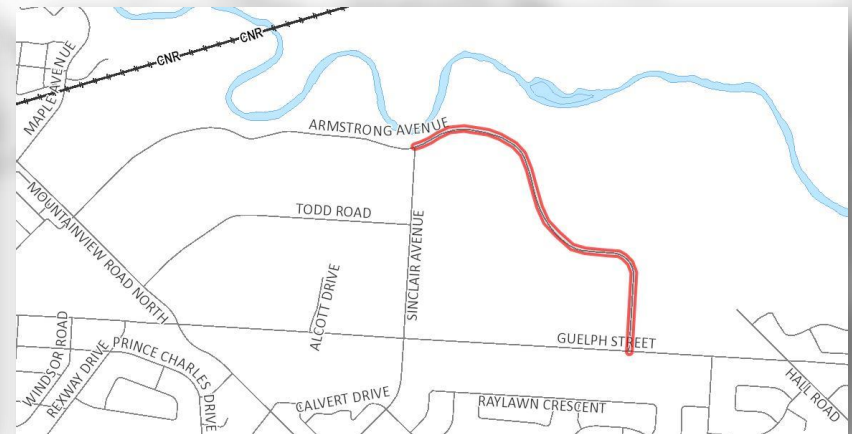
Phase 1

- Mountainview to Sinclair
- 2017
- Cost Estimate \$3,335,000



Phase 2

- Sinclair to Guelph
- 2019
- Cost Estimate \$2,500,000



Armstrong Avenue Reconstruction – Phase 1

Public Information Centre

February 1, 2017 (Wednesday)

3:00 p.m. – 6:00 p.m.

Moldmasters Sportsplex

221 Guelph Street

TPO Hall (Upstairs)

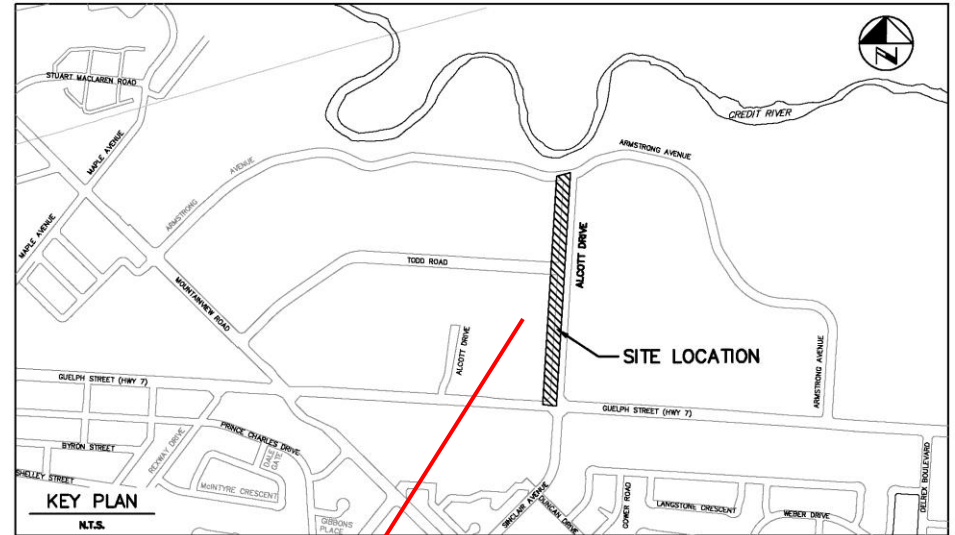


Sinclair Avenue Multi-Use Path

Status:

Town staff reviewing for technical detail to prepare for Tender documents

Cost Estimate: \$100,000



Armstrong Avenue Storm Outfall Repair

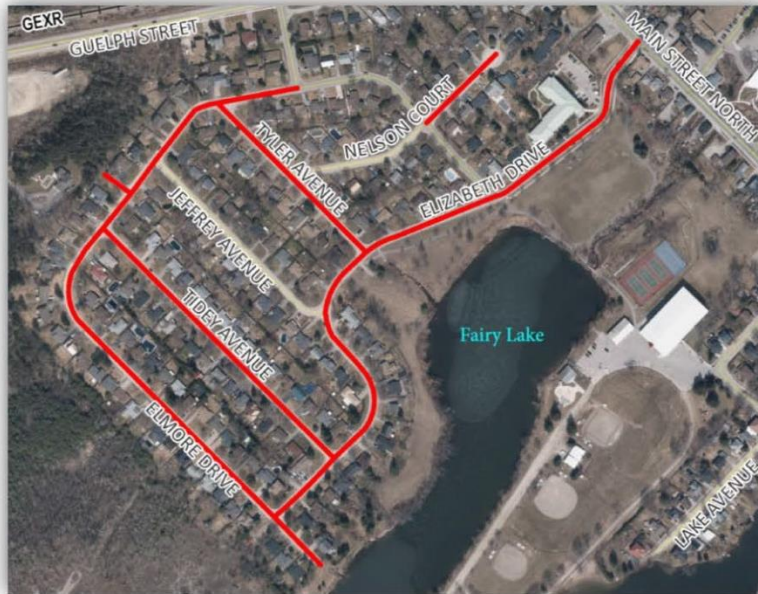
Status:
Pending Funding Approval



Funding Source: Government of Canada
Clean Water and Wastewater Fund (CWWF)

2017 Pavement Management

Acton



Street	From	To
Burbank Street	Elmore Drive	End
Elizabeth Drive	Main Street North	Elmore Drive
Elmore Drive	Lakeview Avenue	Westward to End
Nelson Court	Elmore Drive	End
Tidey Avenue	Elmore Drive	Elizabeth Drive
Tyler Avenue	Elmore Drive	Elizabeth Drive

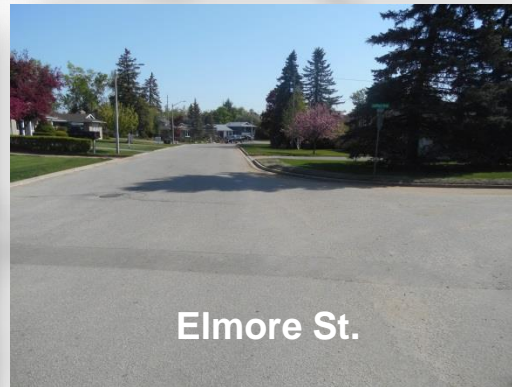
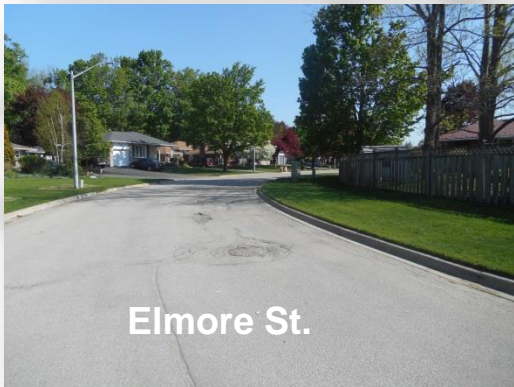
Glen Williams



Street	From	To
Beaver Street	Credit Street	Alexander Street
Credit Street	Confederation Street	Erin Street
Erin Street	Credit Street	Alexander Street
Karen Drive	Confederation Street	End
Mullen Place	Confederation Street	End

Construction Estimate: \$1,850,000 Status: Staff reviewing for technical detail

2017 Pavement Management Acton



2017 Pavement Management Glen Williams



Main Street (Acton) Resurfacing

Project funded by:
MTO Connecting Links Program

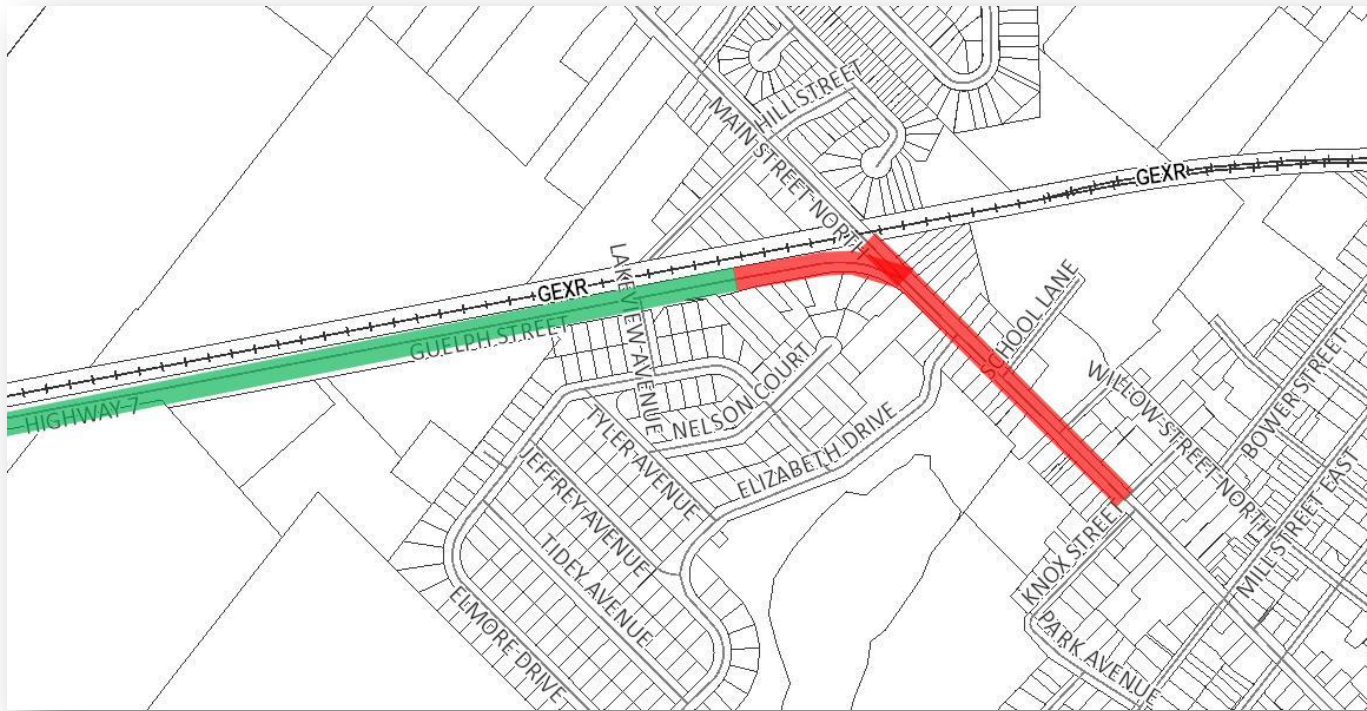
Cost Estimate: \$750,000



Status:
Town staff reviewing for
technical detail

Completion:
Fall 2017

Main Street (Acton) Resurfacing



Project Limits: TOHH



MTO



2017 Pavement Management Public Information Centres

Acton

February 22, 2017

Acton Arena Main Hall

5:00 p.m. – 7:00 p.m.

Glen Williams

February 23, 2017

Glen Williams Town Hall

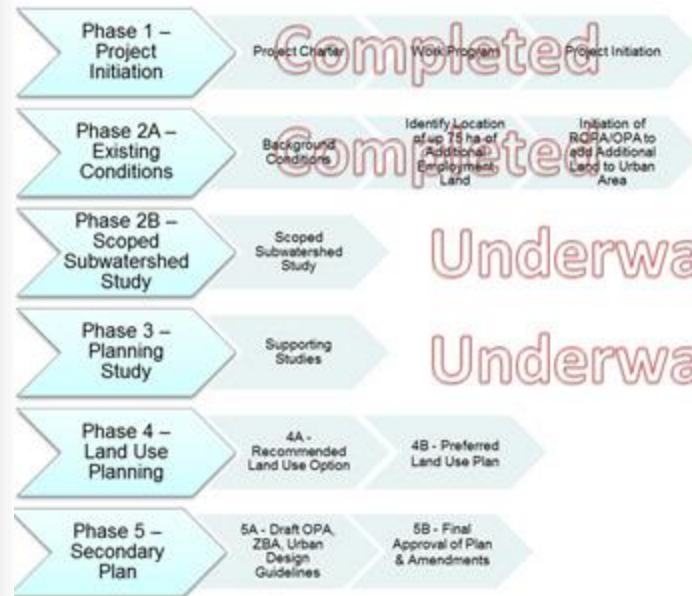
5:00pm – 7:00pm

on Pl.

Vision Georgetown Secondary Plan



Premier Gateway Phase 1B Secondary Plan



Note: Identification of up to 75 ha of additional Employment Land and initiation of amendments shifted to Phase 4.

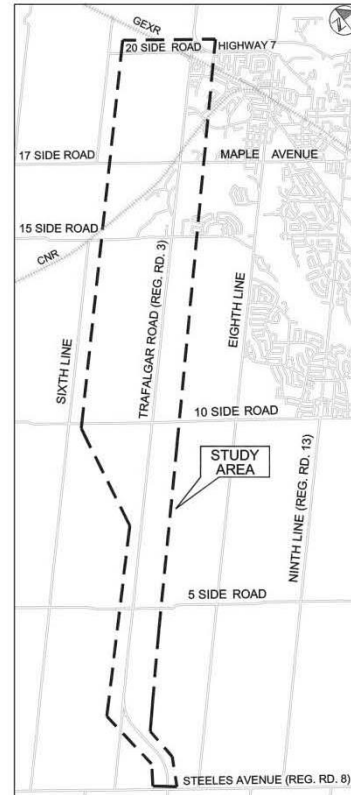
Transportation & Development Project Update

- Halton Region Projects
 - Trafalgar Road
 - Ninth Line
- LED Street Lighting
- Transportation Strategy 2016-2018
- Transportation Studies/Project Updates

Trafalgar Road EA

Steeles Avenue to Highway 7

- Study area from Steeles Avenue to Highway 7, approximately 13 km in length;
- Character of Trafalgar Road changes from rural to urban, from south to north;
- Trafalgar Road is a Regional Arterial Road which serves both local and inter-regional travel, as well as agricultural equipment and goods movement;
- Crossed by two railway corridors – CNR and GEXR



Contact:

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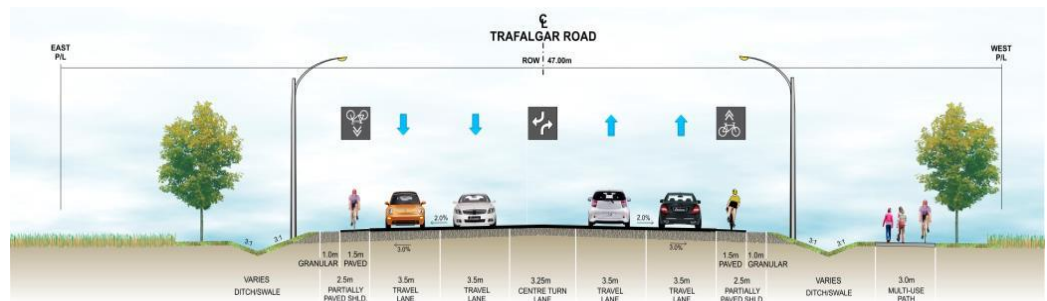
Trafalgar Road EA Steeles Avenue to Highway 7



Steeles Avenue to Hornby Road



Hornby Road to 10 Side Road



10 Side Road to 15 Side Road



Note: Mitigated cross sections are being developed for constrained areas



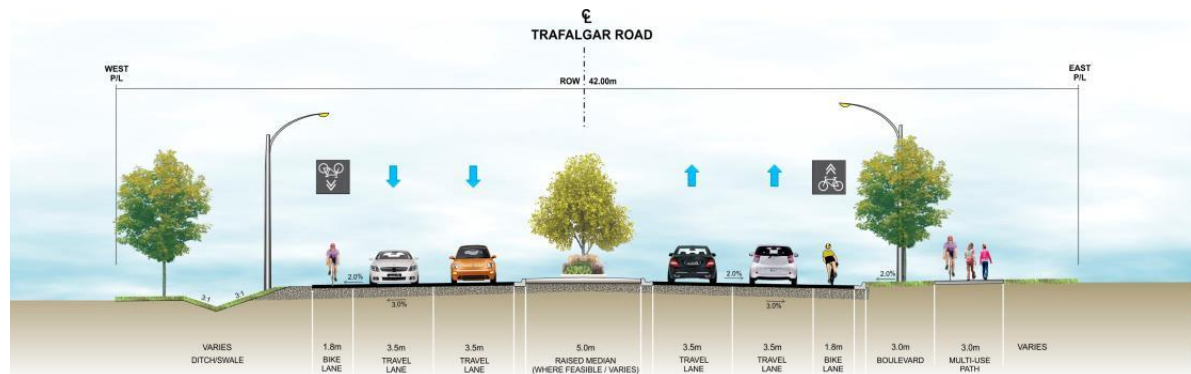
Trafalgar Road EA Steeles Avenue to Highway 7



15 Side Road to 17 Side Road



17 Side Road to Highway 7



Note: Mitigated cross sections are being developed for constrained areas



Trafalgar Road EA

FOCUS AREA – 17 SIDE ROAD INTERSECTION AND CN GRADE SEPARATION

- Proposed 17 Side Road / Maple Avenue intersection would be east of existing to accommodate crossing of CN Rail via a proposed grade separated underpass (i.e. road under rail)
- Existing Trafalgar Road converted to a cul-de-sac south of CN Rail
- 17 Side Road to remain open, existing at-grade crossing to remain
- Thompson Drive to extend to 17 Side Road



Trafalgar Road – 17 Side Road and CN Grade Separation



Example of Underpass Crossing

Trafalgar Road EA

FOCUS AREA – LINDSAY COURT AND HIGHWAY 7

- Lindsay Court proposed to be closed at Highway 7 with an improved connection at Trafalgar Road (Changed from PIC #2)
- Long-term care facility access to Highway 7 will be closed and accessed only via Lindsay Court
- Channelized southbound right-turn lane at Highway 7 would be removed to improve safety and reduce vehicle speeds



Trafalgar Road - Lindsay Court Access

Trafalgar Road EA

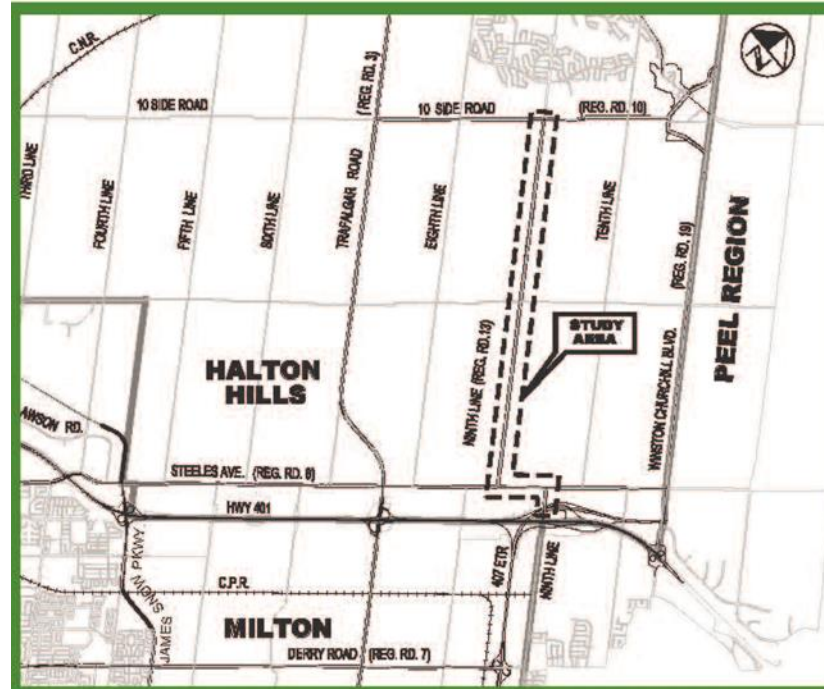
FOCUS AREA – STEWARTTOWN ROAD INTERSECTIONS

- Black Creek Crossing: Proposed profile raise of approximately 3 m to accommodate Regional Storm flooding events and to improve existing road grades
- Stewarttown Road (south) would be closed and converted to a cul-de-sac
- Stewarttown Road (north) would become a signalized intersection



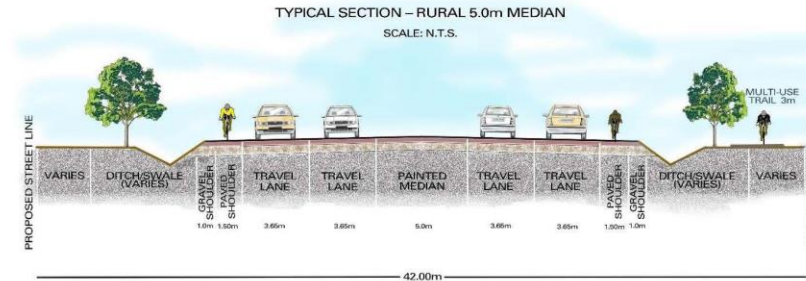
Ninth Line EA

Highway 407 to 10 Side Road



Ninth Line EA

Highway 407 to 10 Side Road

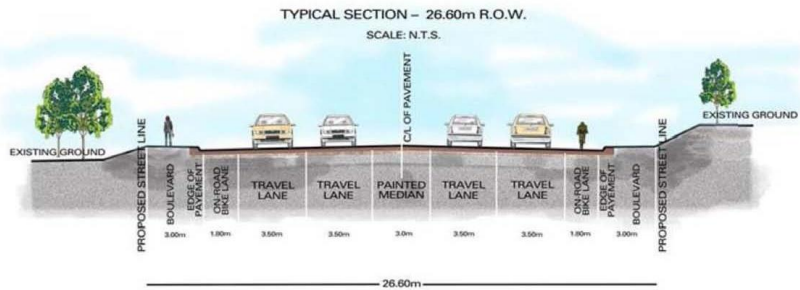


Standard cross-section will be reduced for constrained areas.

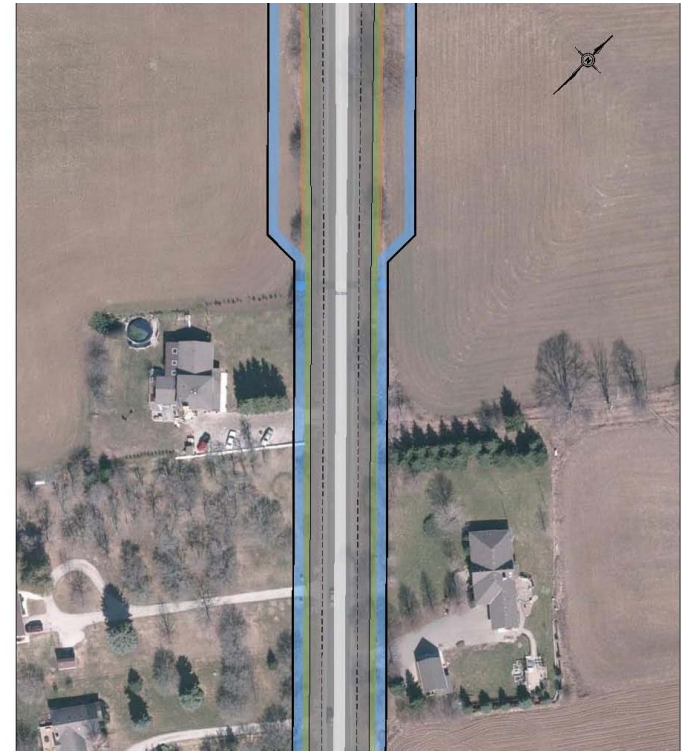
Ninth Line EA Highway 407 to 10 Side Road



Mitigated Cross-Section



Modified cross-section for constrained areas.



LED Street Light Conversion



Photo: Mike Carrocetto / Ottawa Citizen

Strategic Action Plan 2014-2018 (2015)

Transportation/Mobility was identified as part of the 2014-2018 Top 8 Strategic Priorities

An emerging priority for Council this 4-year term relates to resident concerns with respect to ease of mobility within and beyond the Town, active transportation (walking, cycling), public transit, the impact of trucks, and the future GTA West Transportation Corridor. To respond to this priority, a set of actions has been identified as the proposed areas of focus for the current term of Council.

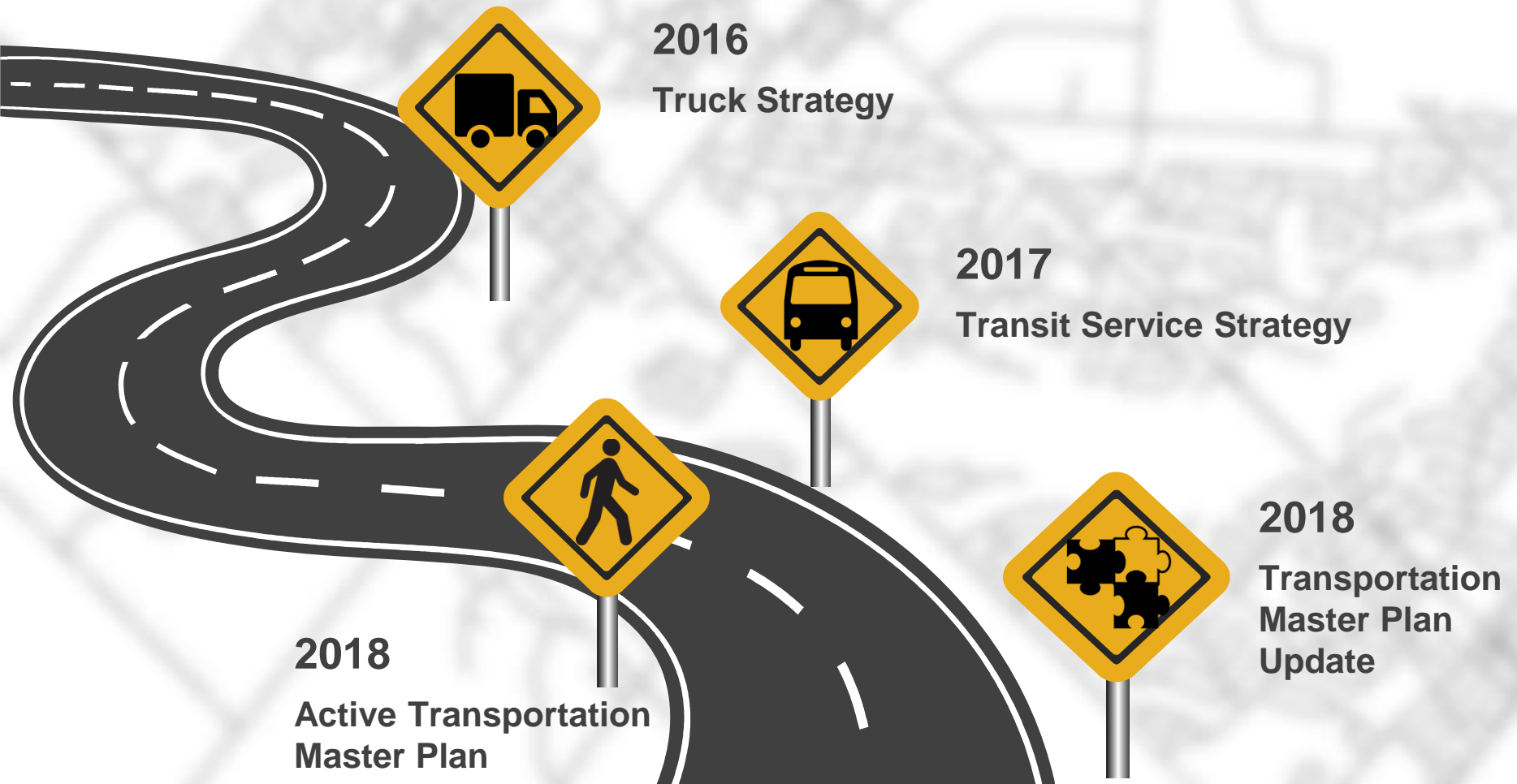


Strategic Action Plan 2014-2018

- A. Advocate for all-day 2-way GO train service on the K-W GO line.
- B. In partnership with the Region, explore inter and intra-regional transit connection(s) to connect Acton and Georgetown to the rest of the Region of Halton, other neighbouring municipalities, and the Greater Golden Horseshoe.
- C. Plan and design the Vision Georgetown community to be 'transit ready' and to foster active transportation.
- D. Develop an Active Transportation Plan, prior to or as part of the Transportation Master Plan Update, to support and encourage the use of all active modes of transportation.
- E. Develop a long-term Truck Movement Strategy for the Town that respects the road maintenance and safety needs of Halton Hills.
- F. Develop a Public Transit Strategy to address the needs of all potential users, prior to or as part of the Transportation Master Plan Update.
- G. Continue to advocate for and protect the Town's long-term transportation and land use planning objectives through active participation in the GTA West Environmental Assessment process.



Transportation Strategy 2016 – 2018



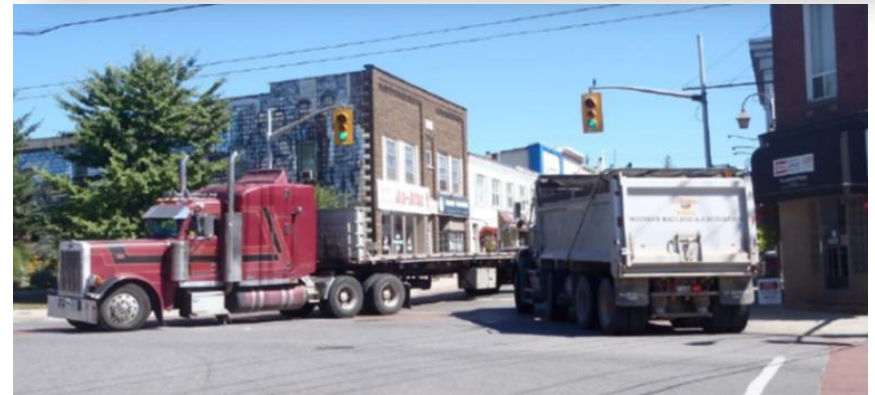
Truck Strategy Study (2016/2017)

Long-term strategy to manage truck traffic town-wide

Will identify:

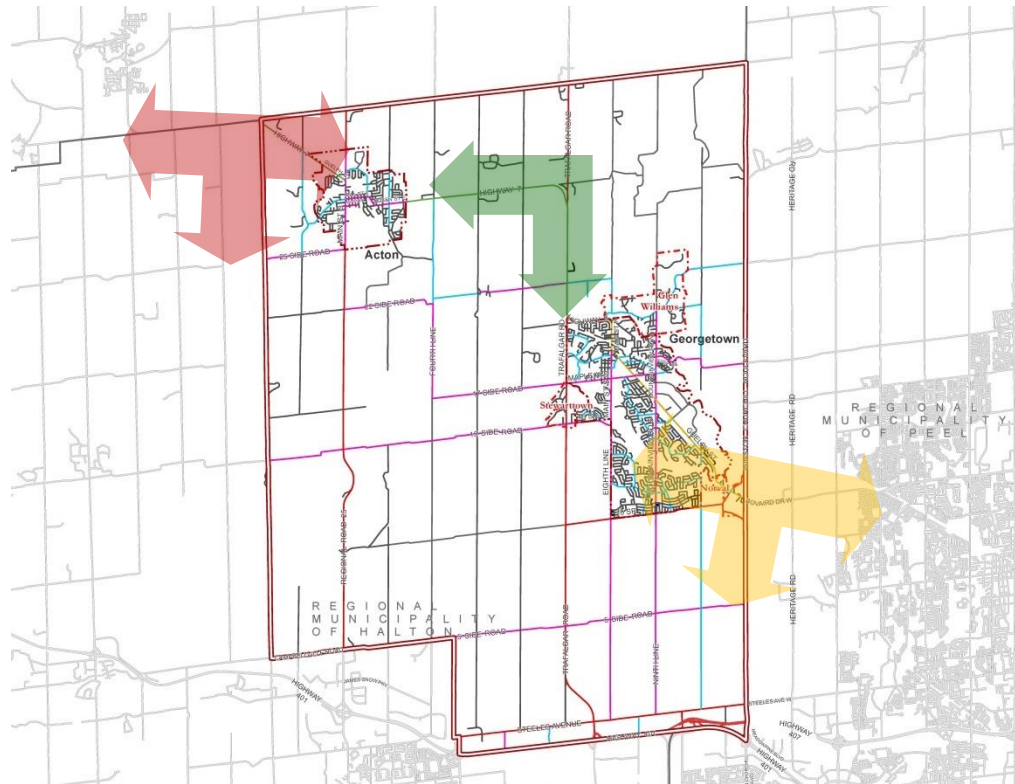
- Appropriate permissive truck routes
- Infrastructure improvements required to support this network

PIC - Feb./March



Truck Strategy Study (2016/2017)

West, Central, East



Truck Strategy Study (2016/2017)

Hwy 7 Connecting Link through Acton - Constraints

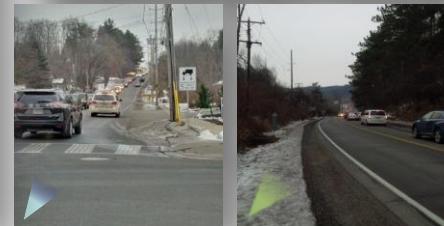
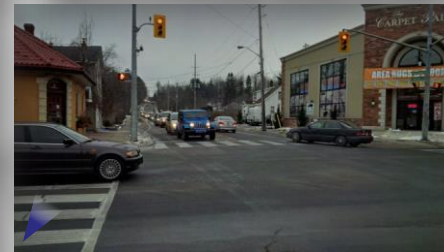
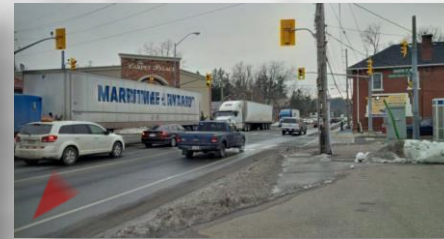
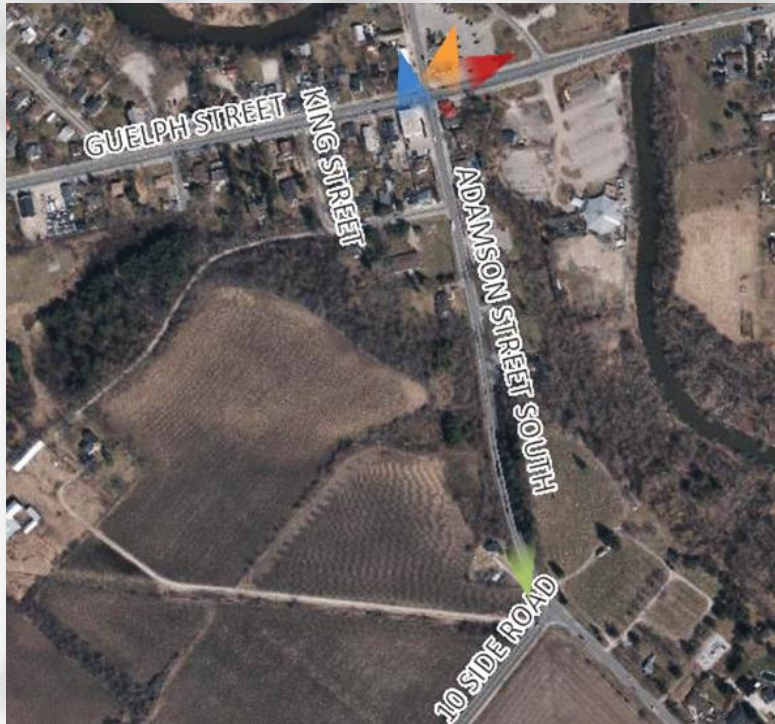


Photo: Traffic constraints and safety concerns on Hwy 7 at the intersection of Main Street and Mill Street in Downtown Acton



Truck Strategy Study (2016/2017)

Hwy 7 Connecting Link through Norval - Constraints



Transit Service Strategy

Develop a vision for transit in Halton Hills

Build on our current specialized transit service (ActiVan/Youth Taxi Scrip)

Evaluate service delivery models

Develop a phased implementation strategy

Focus on community engagement and consensus based solutions

Prioritize connections to inter-regional GO transit service



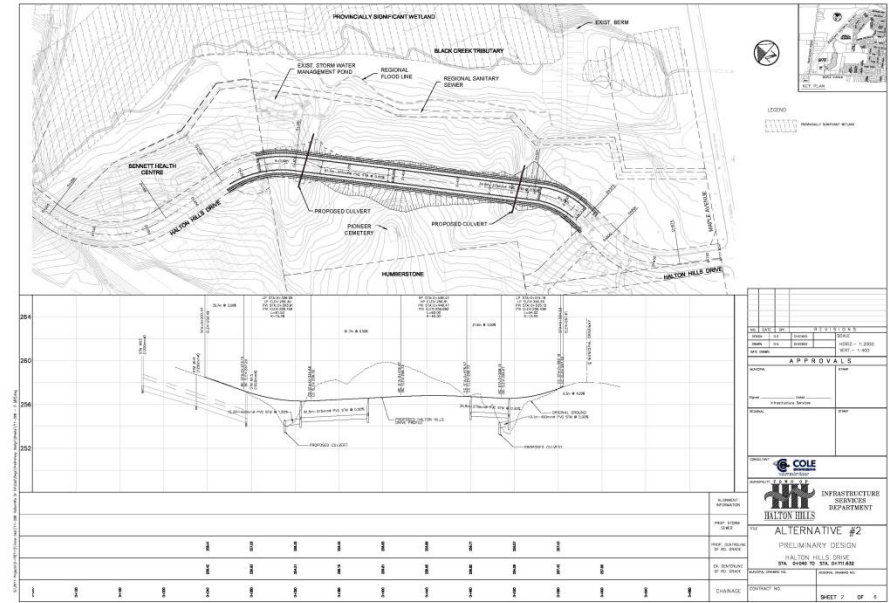
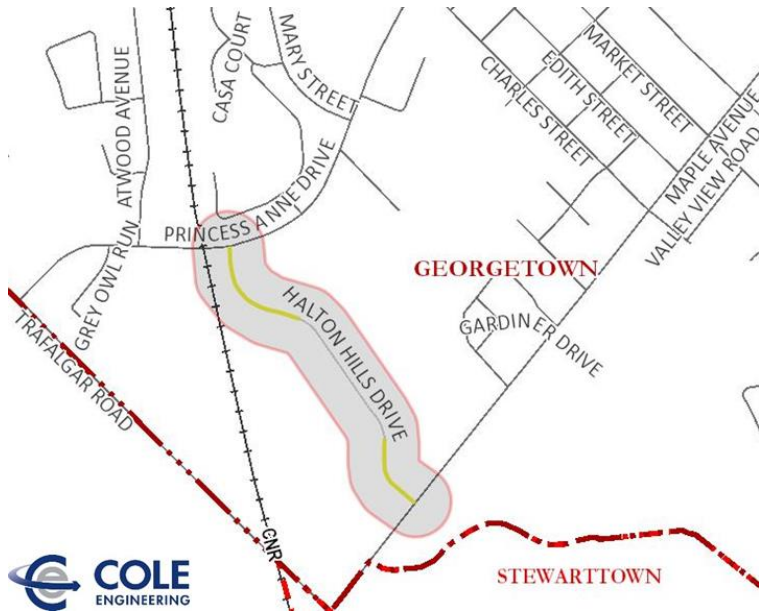
Active Transportation Master Plan (2018)



Transportation Master Plan Update (2018)

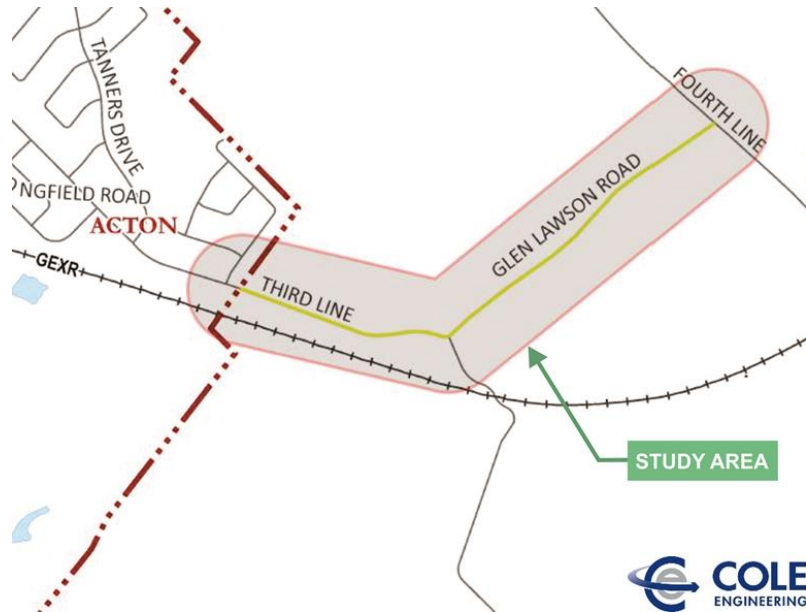


Halton Hills Drive Connection



Status: Undertaking Detailed Design

Glen Lawson / Third Line Municipal Class EA



Status: Near completion of Class EA process



HALTON HILLS