



Hamilton Road and Gore Road Intersection Improvements



Presentation Date: May 19, 2021



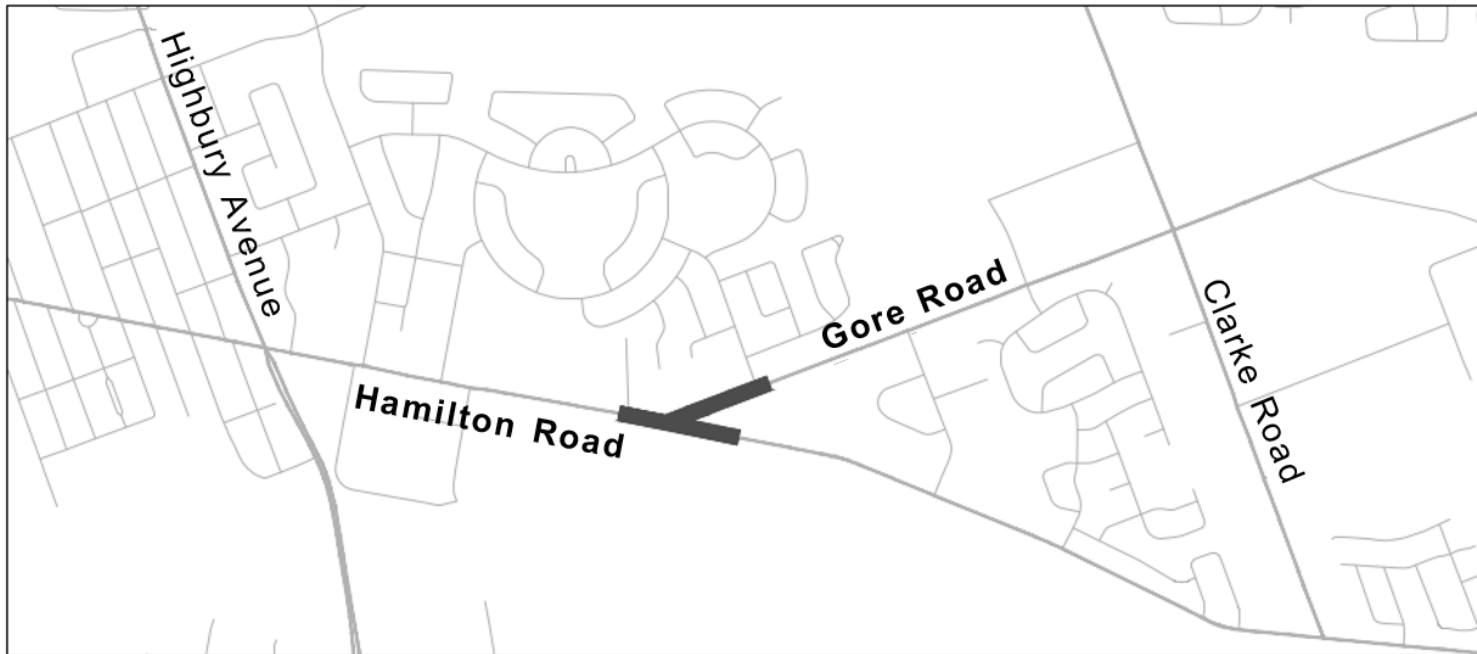
Presentation Agenda

For the Class Environmental Assessment (EA) process, the following information will be presented so that the public has an opportunity to provide comments:

- Overview of the Project Area and Scope of Work;
- Existing Conditions;
- Possible Alternative Solutions;
- Preliminary Evaluation;
- Access to Properties and Surrounding Areas; and,
- Comments/Questions

Project Area and Scope

- Hamilton Road and Gore Road intersection improvements
- City of London identified area as having deficient operating and geometric characteristics
- MTE Consultants brought on to coordinate the Class 'B' EA Process





Problem/Opportunity

The intersection has seen an increase in traffic volumes, leading to a greater number of incidents and necessitating a review of the current intersection. Through the EA process, a review of design alternatives will be conducted to determine a preferred alternative for an improved intersection arrangement and controls while maintaining the objectives of: improving safety to drivers, cyclists and pedestrians; protection of the environment; minimal disruption to residents and surrounding areas; engaging a broad range of stakeholders; optimizing costs; and documenting the study process in compliance with the Municipal Class Environmental Assessment Schedule “B” process.

Opportunity

If we are making improvements to improve functionality of the intersection, then this is an opportunity to implement facilities to support active transportation

Existing Conditions

- Intersection of Hamilton Road and Gore Road
- Three-legged stop-controlled intersection
- Sidewalk on northwest side of Gore Road continues west on Hamilton Road
- Sidewalk on south side of Hamilton Road ends at Gore Road intersection
- Currently no cycling infrastructure



Transportation Master Plan

Legend

- Widen to 4 Lanes/New 4 Lane Road
- Widen to 6 Lanes
- Widen for BRT Support
- Optimization/Transit Priority
- Intersection Improvements
- New Interchange/Improvements



Cycling Master Plan



Green – existing cycle route

Green dashed – proposed bike lane

Brown dashed – proposed paved shoulder

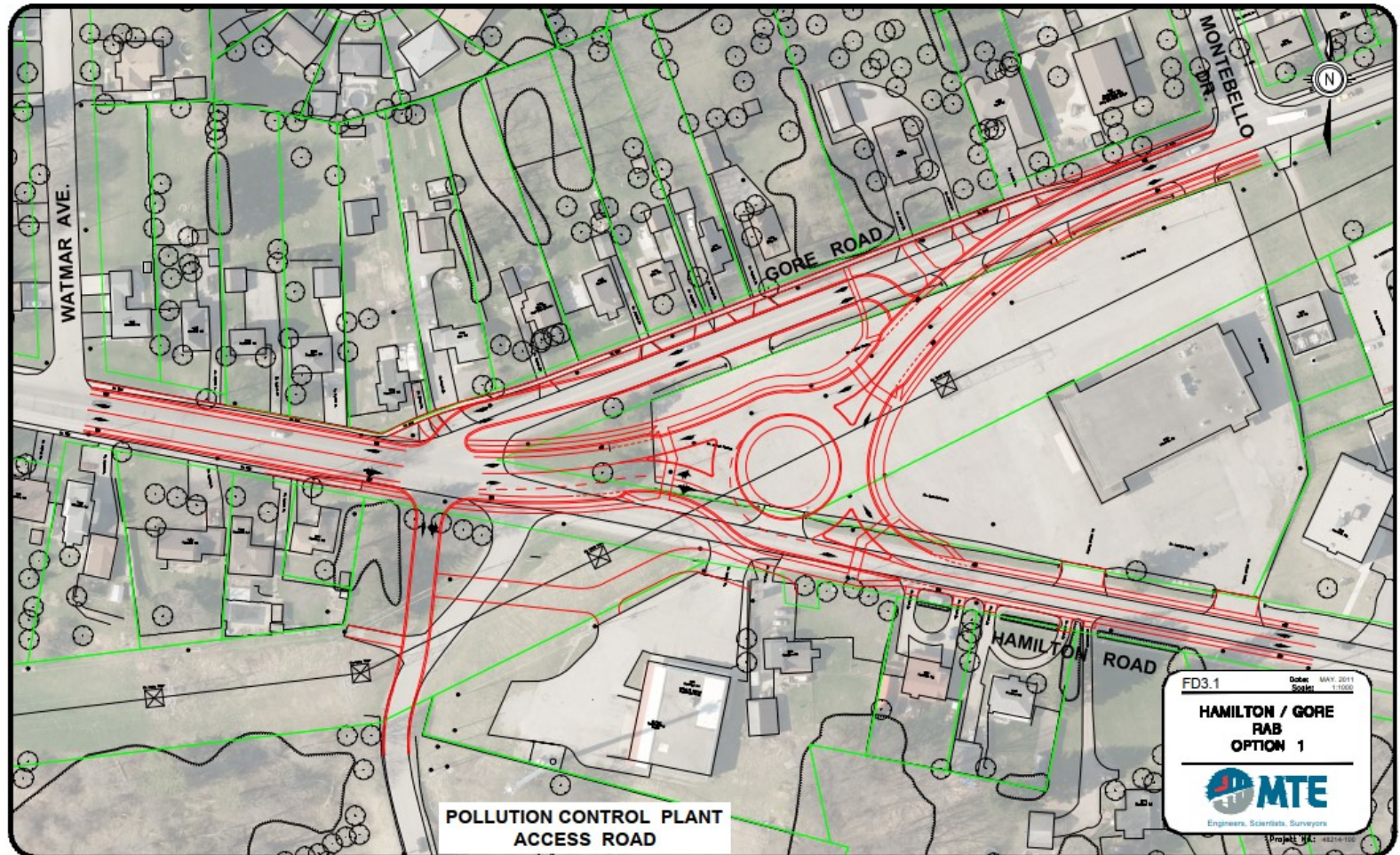
Yellow – Existing multi-use trail



List of Alternatives

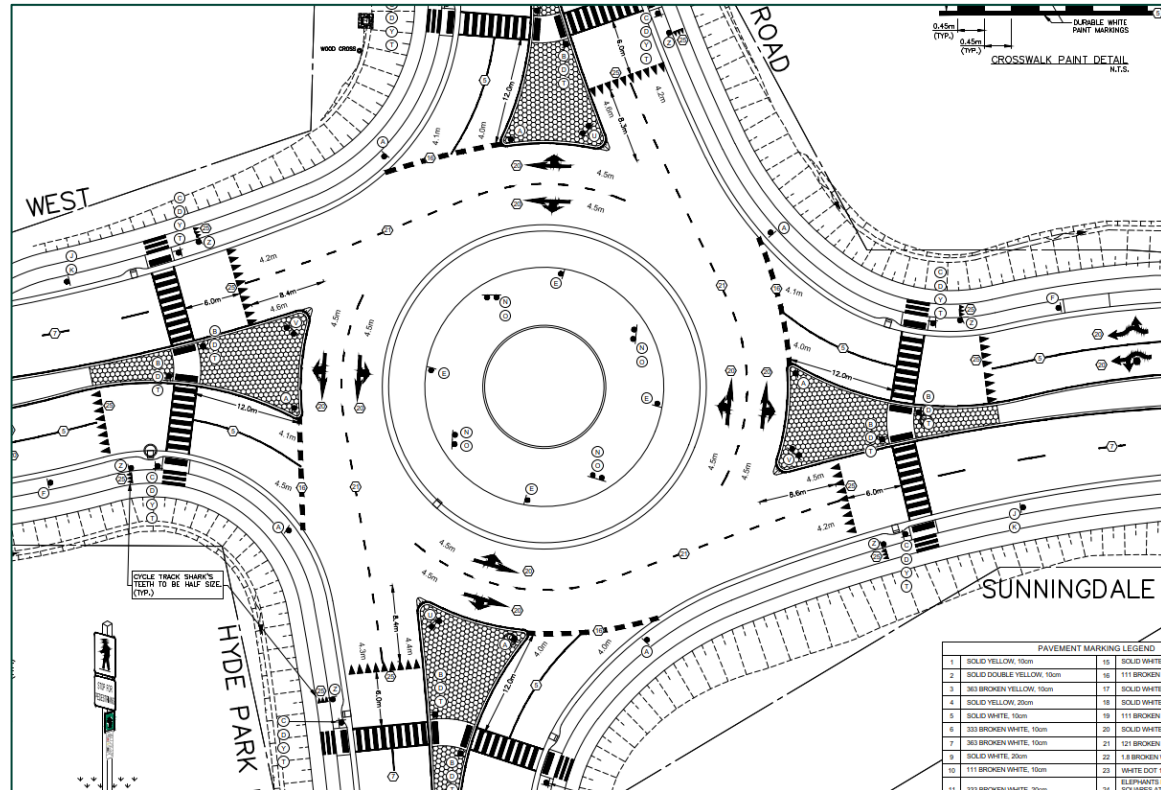
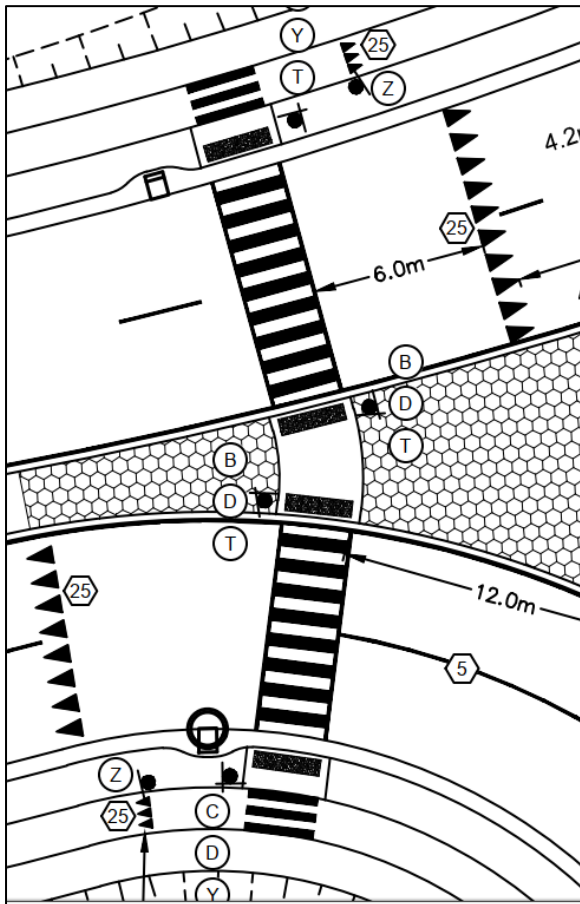
- Do Nothing
 - Issue would remain as is, with no improvements
- Roundabout
 - Single lane roundabout to facilitate turning traffic and improve the intersection for pedestrian and cycling access and roadway safety
- Signalized Intersection – A
 - Realign Hamilton Road and Gore Road to introduce traffic lights – secondary intersection for entrance
- Signalized Intersection – B
 - Realign Hamilton Road and Gore Road to introduce traffic light – single intersection

Alternative 1 - Roundabout

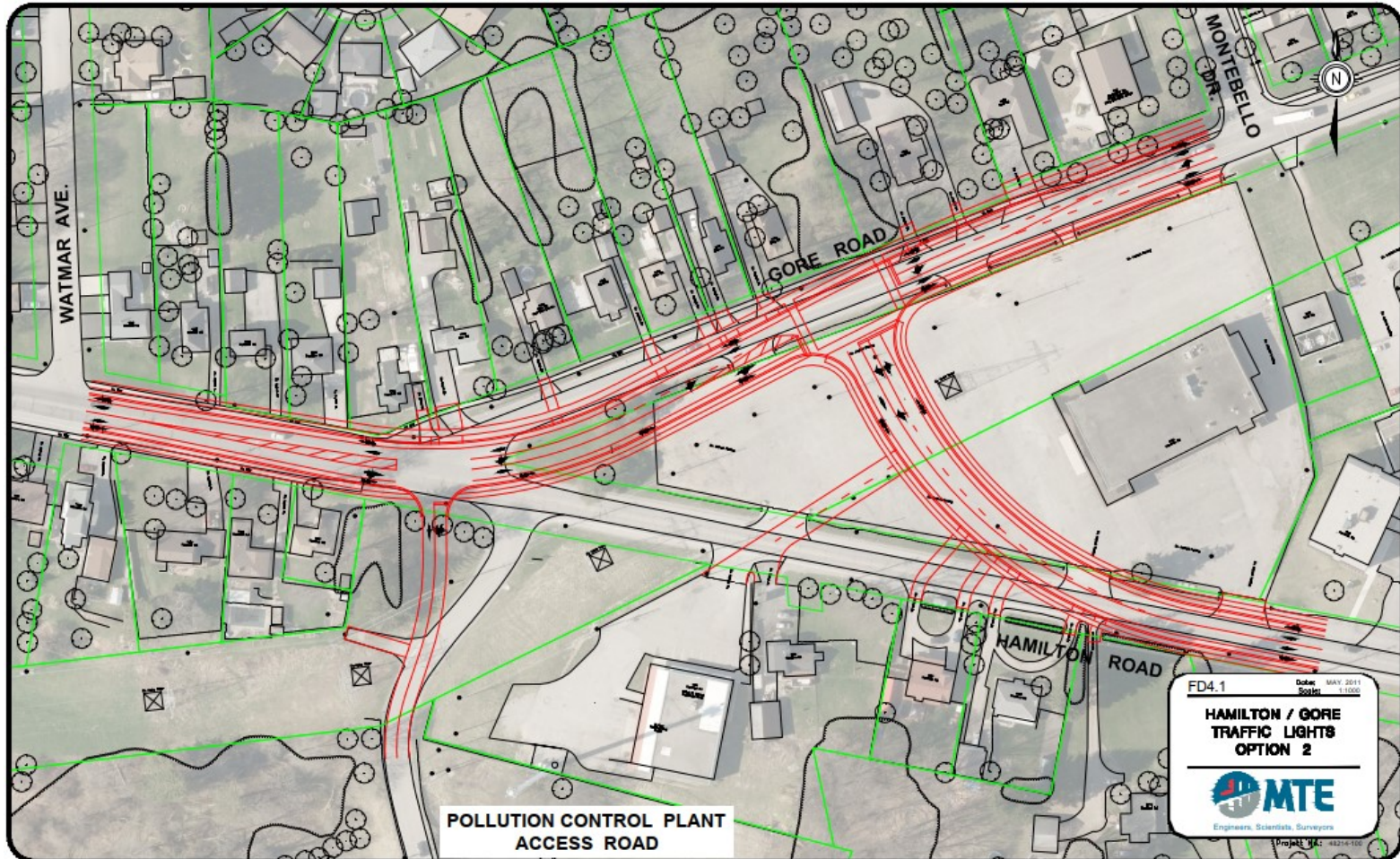


Alternative 1 - Roundabout

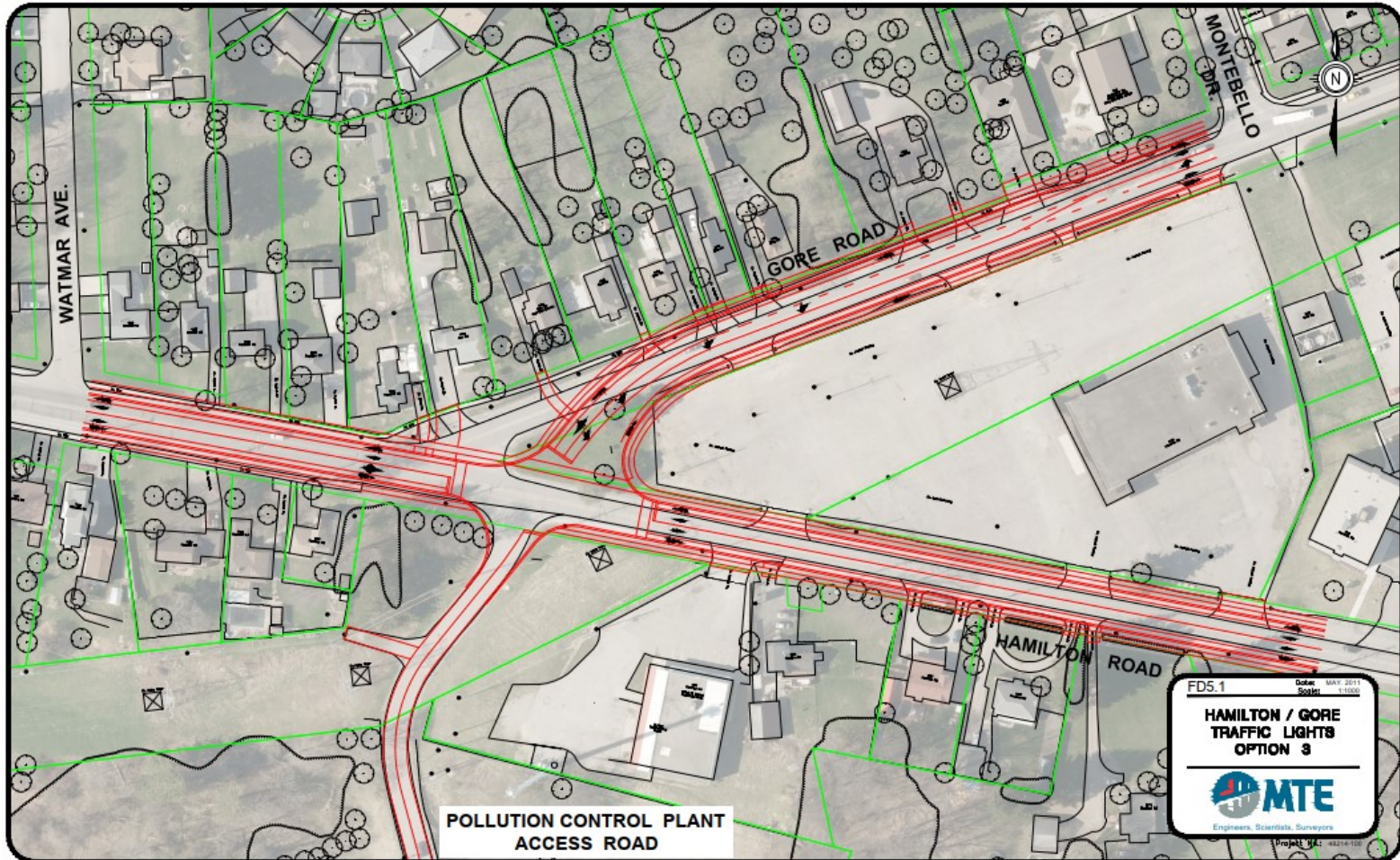
- Sunngindale Road and Hyde Park Road intersection



Alternative 2 - Signalized A



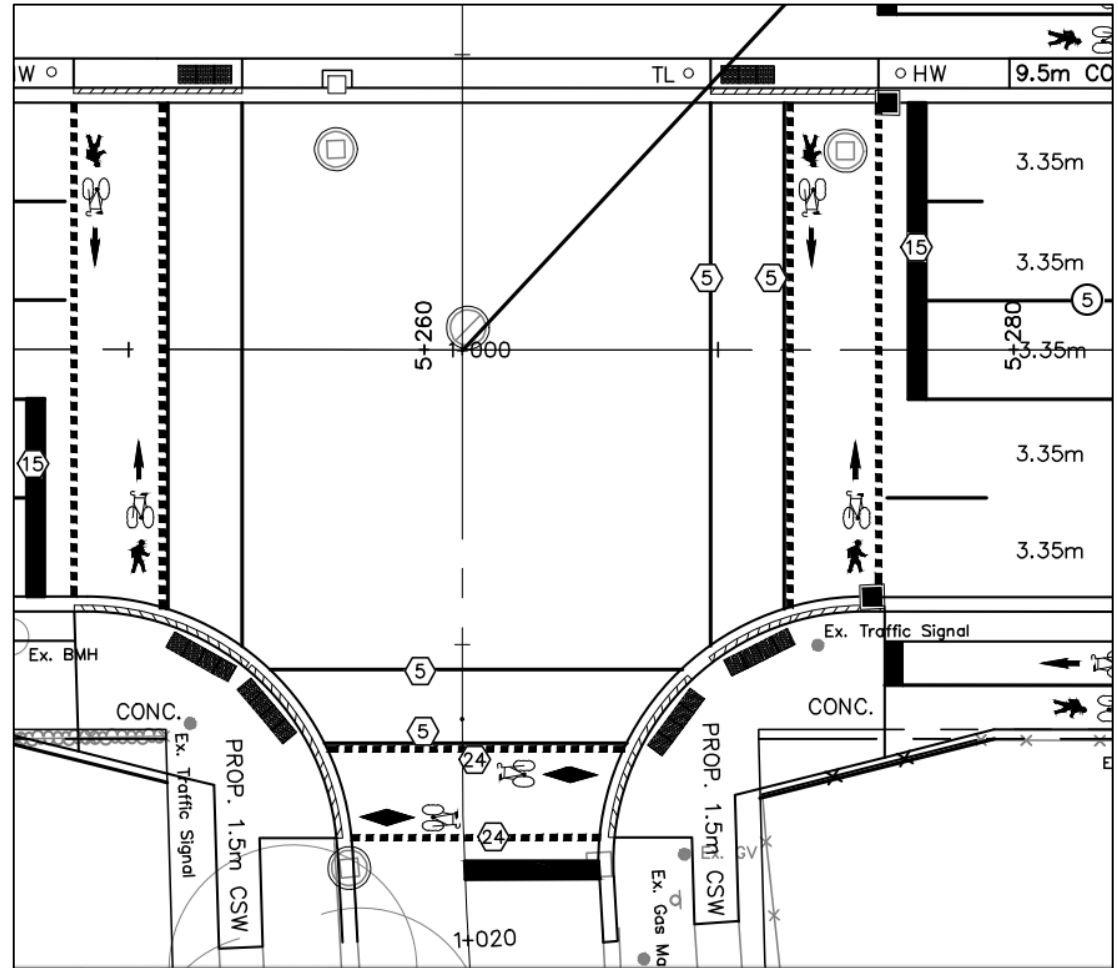
Alternative 3 - Signalized B



Signalized Intersection Options

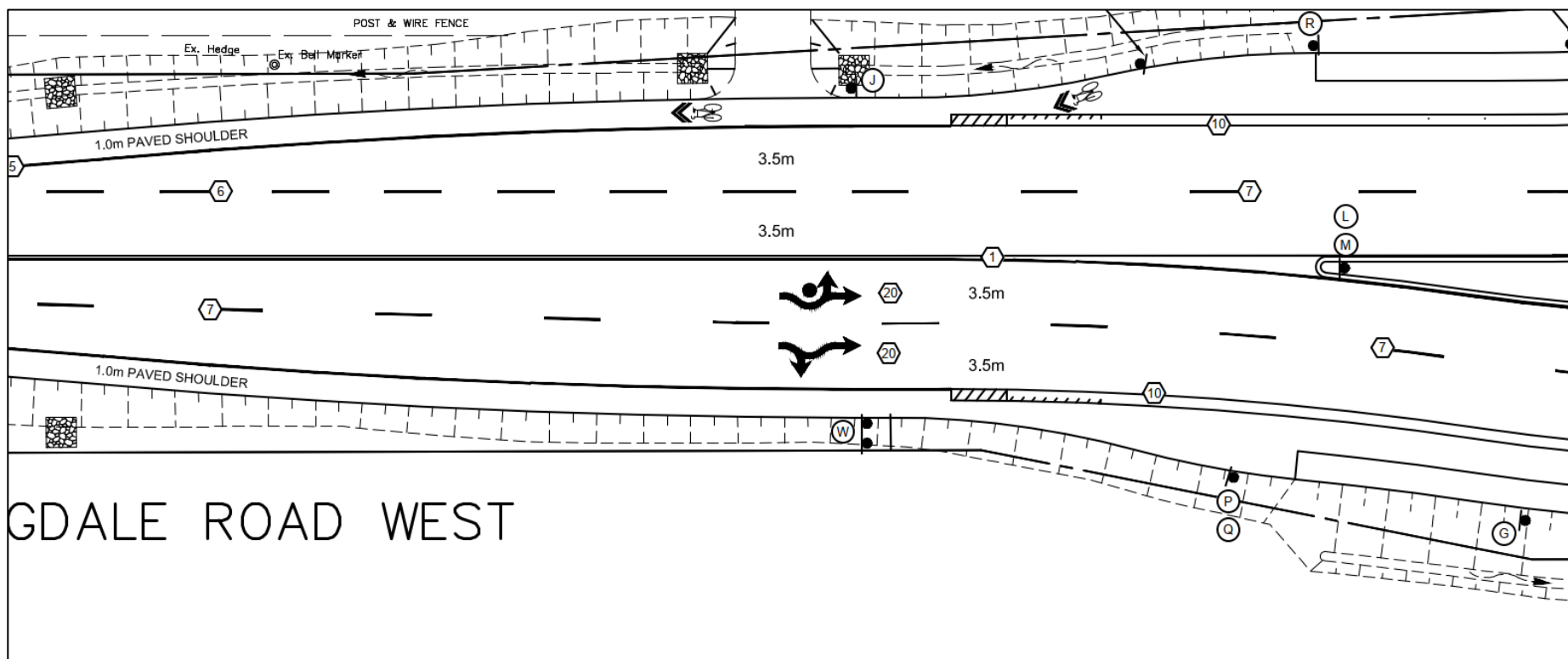
Example of signalized crossing with multi-use trail connections.

Delineated pedestrian and cyclist crossing



Cycling Connectivity

- Transition from 1.0m asphalt shoulder to dedicated cycling facility
- Approach could apply in each direction as there is no cycling facility in any direction
- Plans for future cycling facility along Hamilton Road





Design Alternatives Summary

ROUNDABOUT

- Allows for future traffic flow increase
- Increased safety over traditional intersection
- Potential driveway access conflicts
- Allows for development in utility corridor

SIGNALIZED INTERSECTION

- Increased safety for pedestrians and cyclists in the area
- Improved roadway geometry for safer intersection
- ROW cross-section increase
- Driveway lengths increased



Preliminary Evaluation Criteria

Criteria	Description
Traffic Capacity , Operations & Safety	<ul style="list-style-type: none">• How does the alternative serve the expected vehicular, transit, pedestrian and cycling traffic needs• Does alternative efficiently and safely handle the forecasted traffic from existing/future developments and properties
Social Environment	<ul style="list-style-type: none">• Impact on local community (noise, etc.)• Property impacts (cost, feasibility)• Can impacts be avoided
Natural Environment	<ul style="list-style-type: none">• Effect on existing vegetation, wildlife, habitat, water quality etc.
Heritage, Archaeological, Cultural Impacts	<ul style="list-style-type: none">• Is there potential impact to these resources, can it be mitigated
Costs	<ul style="list-style-type: none">• Capital Cost of alternatives• Utility relocation costs• Land acquisition costs



Access to Properties

Roundabout

- Majority of roundabout footprint in Hydro One corridor
- Work with community members to determine best access points

Signalized Intersections

- Driveway realignments required
- Driveway lengths increased



London
CANADA



Paul Yanchuk, P.Eng
Transportation Design Engineer



City of London

300 Dufferin Avenue
London ON N6A 4L9



519-661-2489 x2563



Pyanchuk@london.ca



MTE Consultants Inc.

520 Bingham Centre Drive
Kitchener, ON N2B 3X9



519-743-6500 x1347



VPugliese@mte85.com