

GORDON STREET IMPROVEMENT (EDINBURGH ROAD TO LOWES ROAD)

SCHEDULE 'B' MUNICIPAL CLASS ENVIRONMENTAL ASSESSMENT

AUGUST 24, 2020

Background

- In 2003, Gordon Street from Harts Lane to Clair Road was widened from 2 lanes to 4 lanes.
- In 2009, Gordon Street south of Stone Road was identified as intensification corridor.

Study Purpose

The purpose of the study is to investigate the need for safety and operational improvements and traffic management for Gordon Street between Edinburgh Road and Lowes Road, and recommend a preferred alternative to identified problems.

Problem and Opportunity

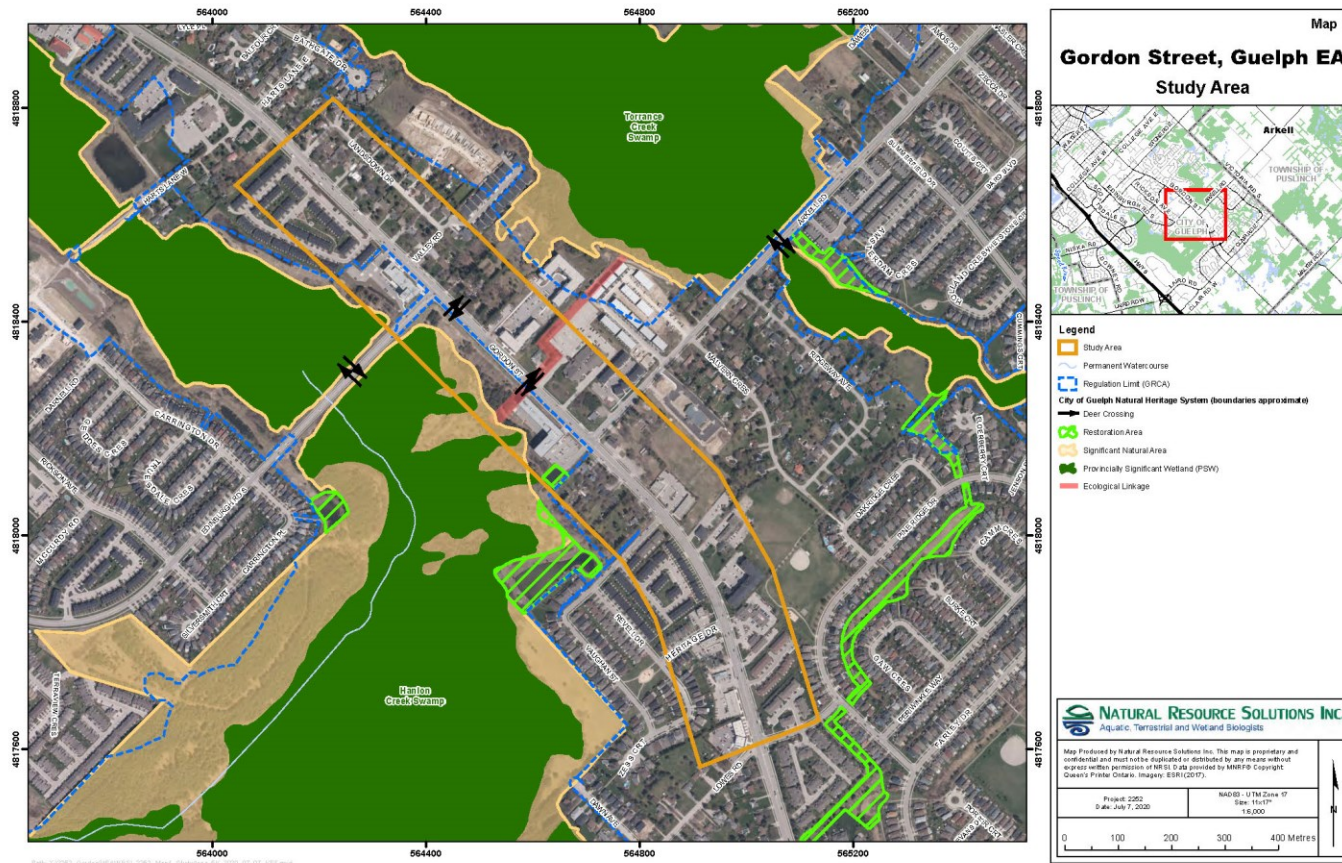
- Traffic volumes on Gordon Street have increased over the years.
- The peak hour left-turn traffic often interferes with and blocks through traffic due to lack of turning lanes at private driveways and insufficient storage lengths at intersections.
- A continuous two-way left-turn lane can remove left-turn traffic from through traffic, improving overall mobility and safety on Gordon street.

Consultation

- Notices
- Public Information Centre #1 on October 1, 2019
- Public Information Centre #2 on February 20, 2020
- Indigenous Communities
- Agency Consultation
- Utility Consultation
- Local Stakeholders
- Departmental Consultation

Environment Condition

- Hanlon Creek Swamp Provincially Significant Wetland
- Significant Wetland
- Ecological Linkage

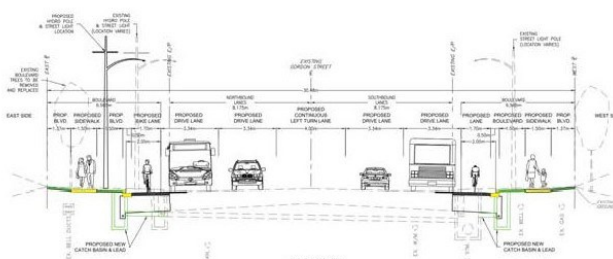


Traffic Condition

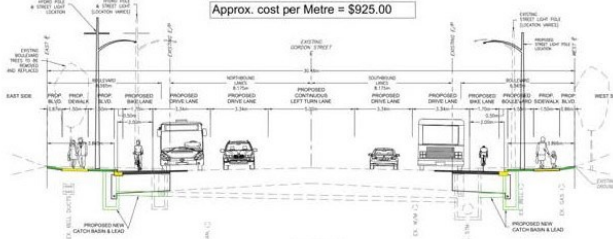
- Edinburgh Road intersection
- Arkell Road intersection
- Driveway traffic
- Rear-end collision, the most common collision type

Alternatives

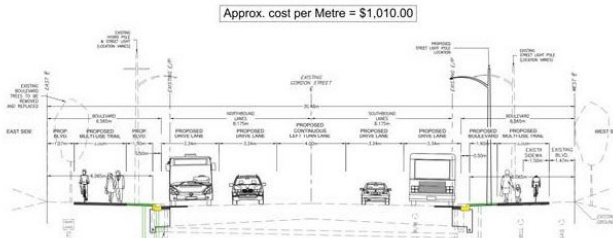
- Do Nothing
- Alternatives 1-6



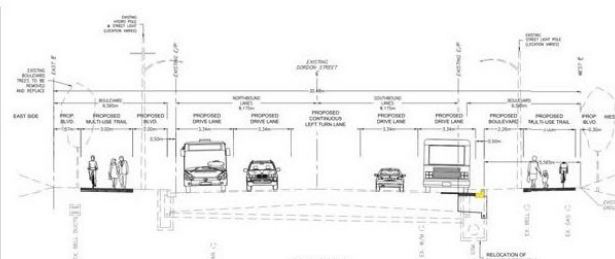
OPTION 1
EXISTING ROAD WIDENED EACH SIDE
TO PROVIDE 4.0m CONTINUOUS
LEFT TURN LANE
Approx. cost per Metre = \$925.00



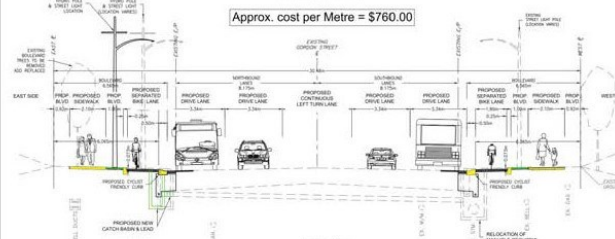
OPTION 2
EXISTING ROAD WIDENED EACH SIDE
TO PROVIDE 3.0m CONTINUOUS
LEFT TURN LANE
Approx. cost per Metre = \$1,010.00



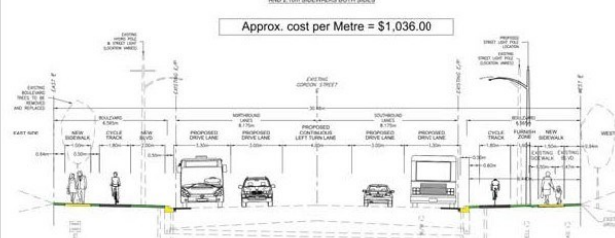
OPTION 3
EXISTING ROAD WIDENED EACH SIDE
TO PROVIDE 4.0m CONTINUOUS
LEFT TURN LANE WITH
3.0m MUT ON EACH SIDE
Approx. cost per Metre = \$955.00



OPTION 4
EXISTING ROAD WIDENED 3.0m ON WEST SIDE
TO PROVIDE 4.0m CONTINUOUS
LEFT TURN LANE WITH
3.0m MUT ON EACH SIDE
Approx. cost per Metre = \$760.00



OPTION 5
EXISTING ROAD WIDENED EACH SIDE
TO PROVIDE 4.0m CONTINUOUS
LEFT TURN LANE WITH
1.0m SEPARATED BIKE LANE
AND 0.5m SIDE PATHS ON BOTH SIDES
Approx. cost per Metre = \$1,036.00



OPTION 6
EXISTING ROAD WIDENED EACH SIDE
TO PROVIDE 4.0m CONTINUOUS
LEFT TURN LANE WITH
1.0m CYCLE TRACK ON EACH SIDE
Approx. cost per Metre = \$797.00

Alternative Evaluation

Evaluation Criteria

- Traffic capacity, operations and safety
- Natural environment
- Social-cultural environment
- Economic environment
- Public option

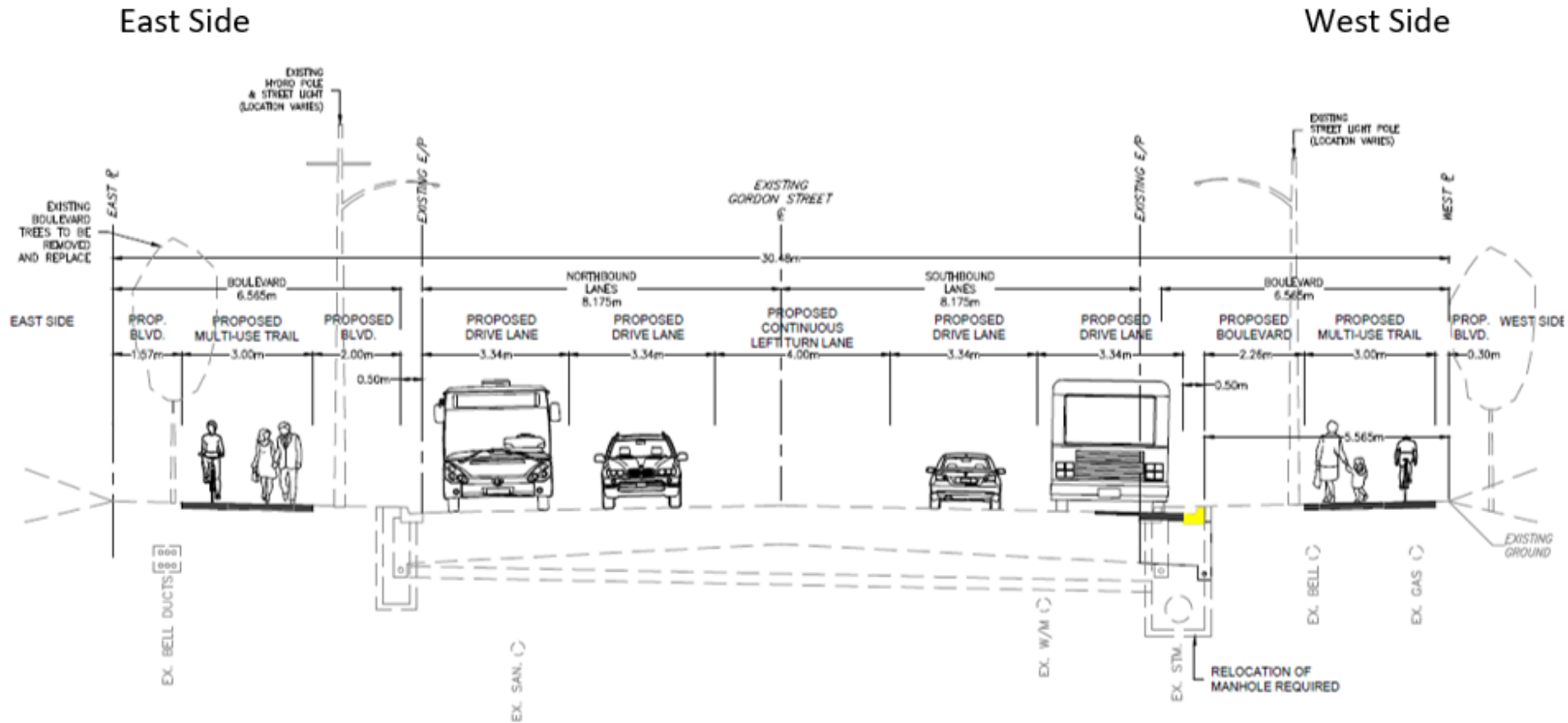
Preferred Alternative

Option 4

- Cyclists separated from vehicular traffic
- Cyclists avoiding conflicts with buses passengers
- Maintained sidewalks
- Limited social environment impacts
- The second least amount of private property impacts
- The least number of utility relocations
- The lowest capital cost
- The most popular by the public at #1 and #2 Public Information Centers

Preferred Alternative

Option 4 – Widen road on west side with a 4 m two-way left-turn lane and 3 m multi-use paths



Questions and comments?

Thank you!