

AT Connection Study: COLT to Halifax Peninsula

Active Transportation Advisory Committee

September 15, 2016









WSP Canada Inc.

Background

 Connectivity between the Chain of Lakes Trail (COLT) connection and the Halifax Peninsula is currently limited



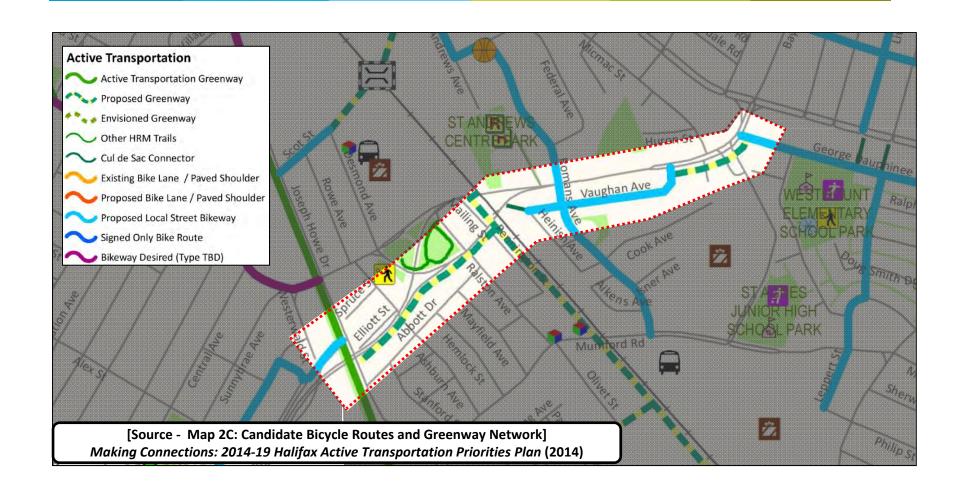
 HRM Active Transportation Priorities Plan includes future AT connection between COLT (at Joseph Howe Drive) and George Dauphinee Avenue



HRM AT Priorities Plan

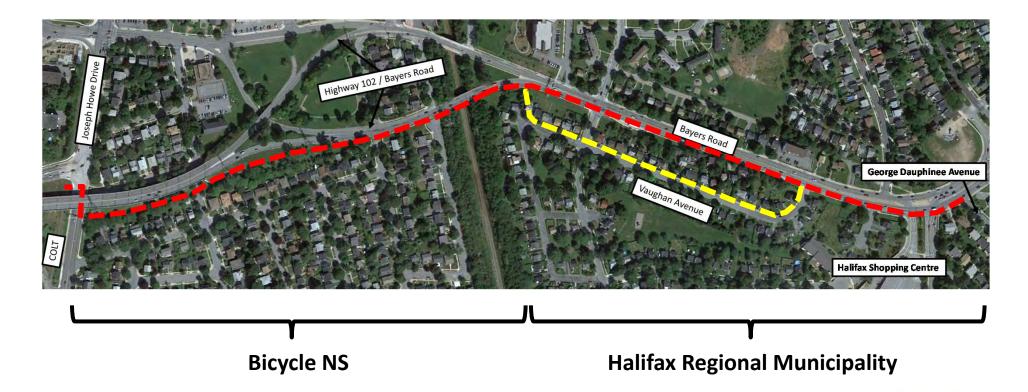


HRM AT Priorities Plan





Study Area



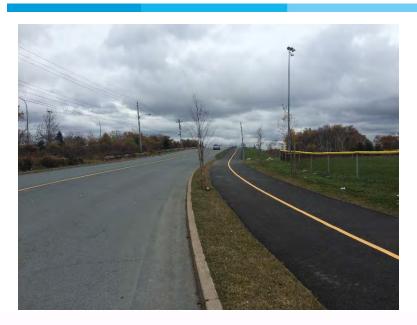


Project Objectives

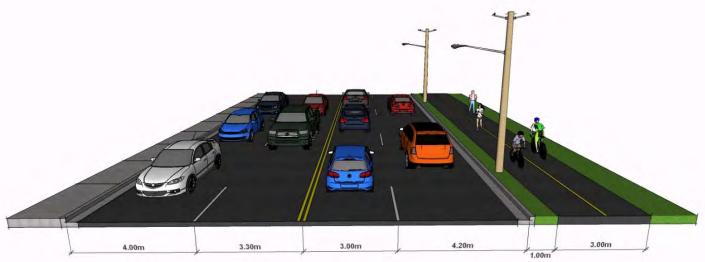
- Develop and review AT connection options between COLT and George Dauphinee Avenue:
 - Options analysis / comparative evaluation
 - Functional design and cost estimates



Facility Type: AT Greenway







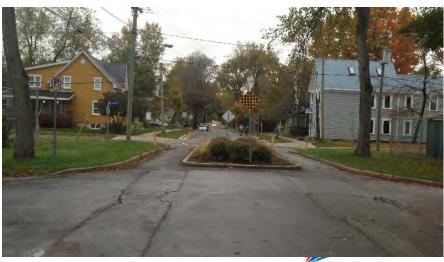


Facility Type: Local Street Bikeway









Challenges: Bayers Road



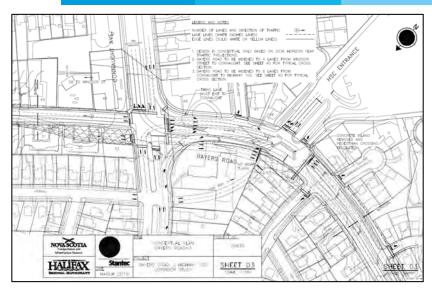
Limited ROW

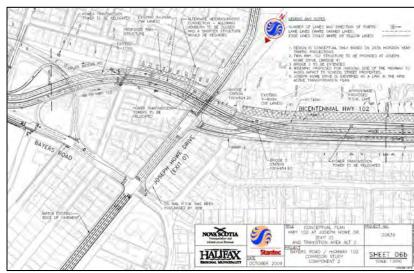


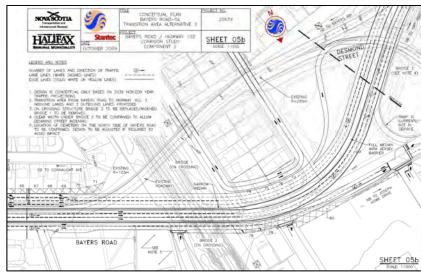
Traffic Volume / Speed



Challenge: Bayers Road Future Plans









Challenge: CN Rail Cut Crossing









Challenge: Intersections

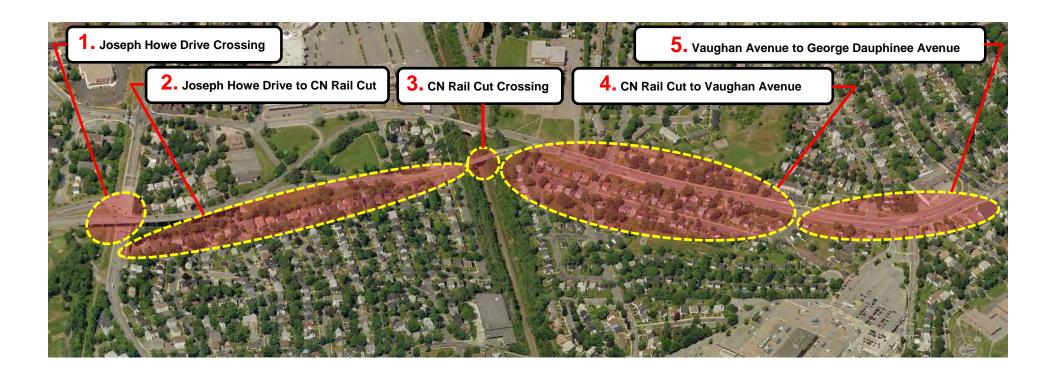


Joseph Howe Drive

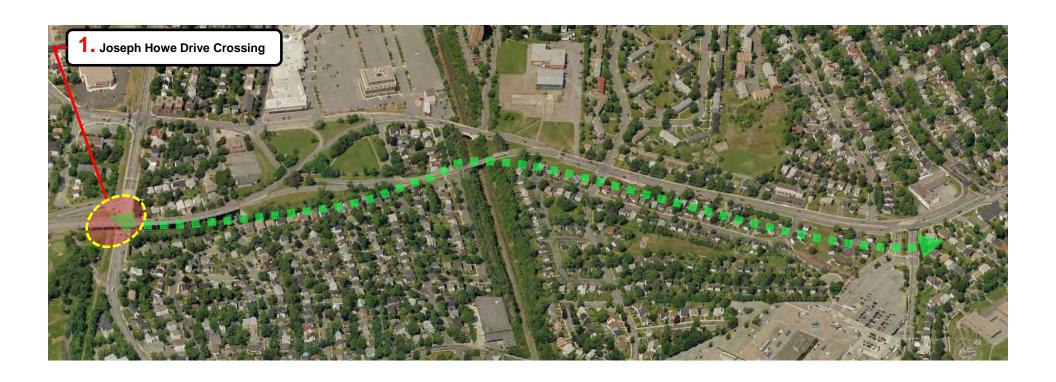
Halifax Shopping Centre



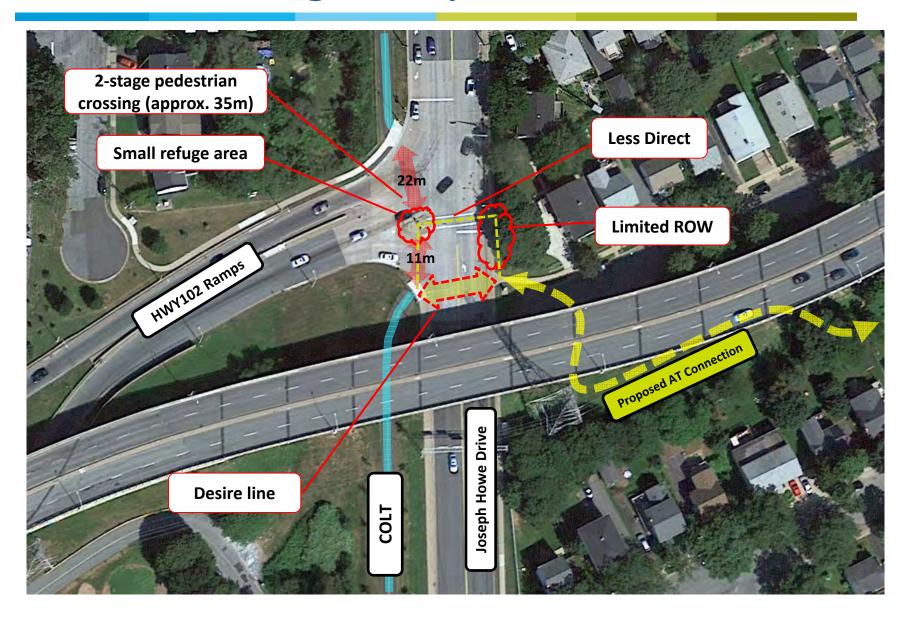
Alignment Sections









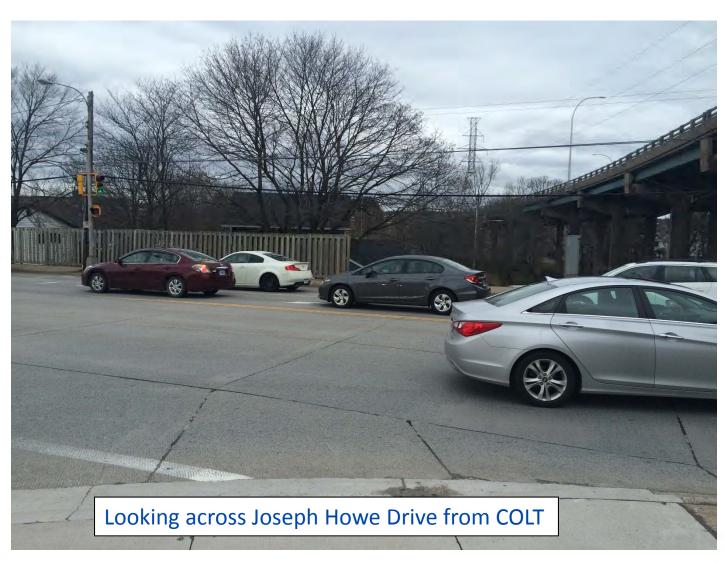




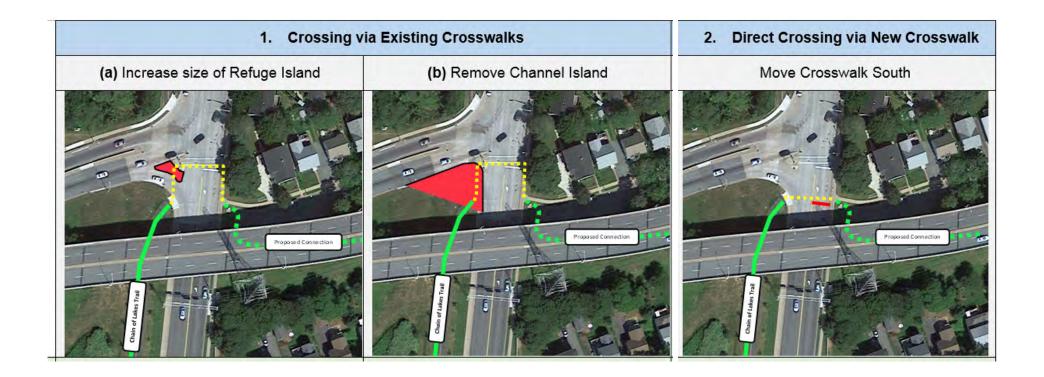














Proposed Intersection Configuration





















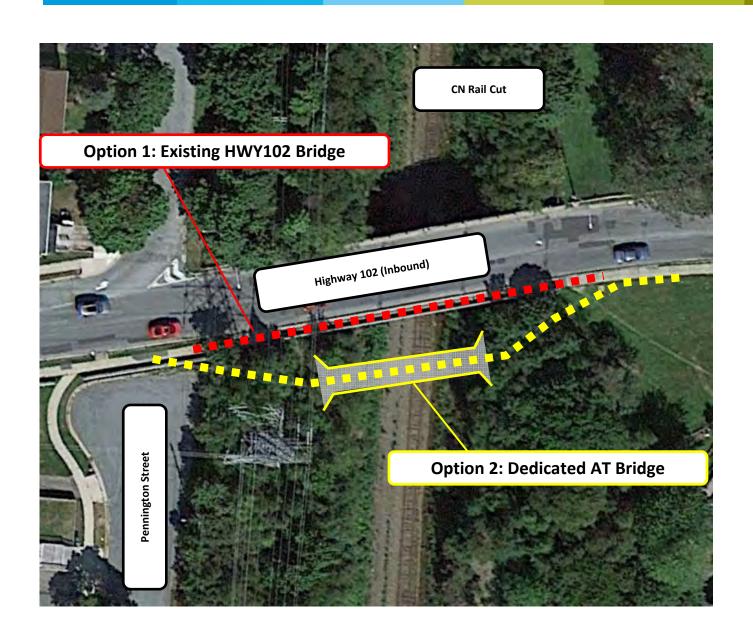




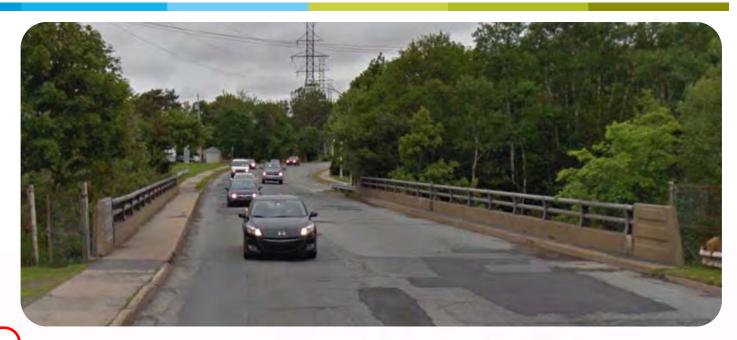




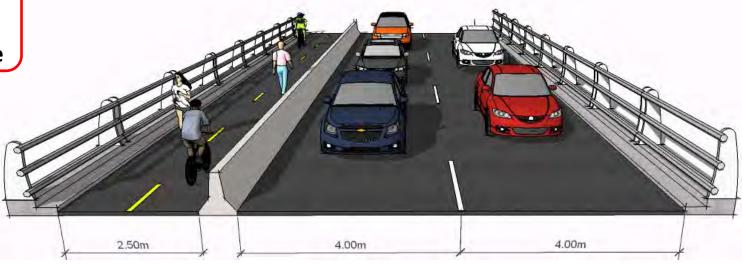




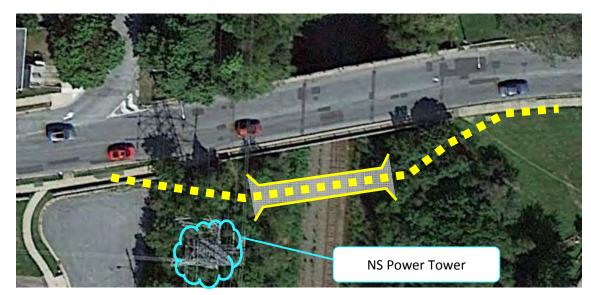


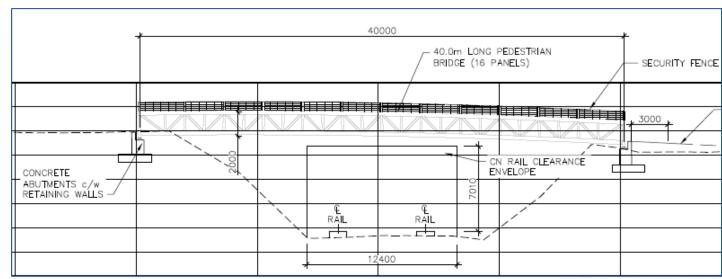


Option 1: Retrofit Existing Bridge

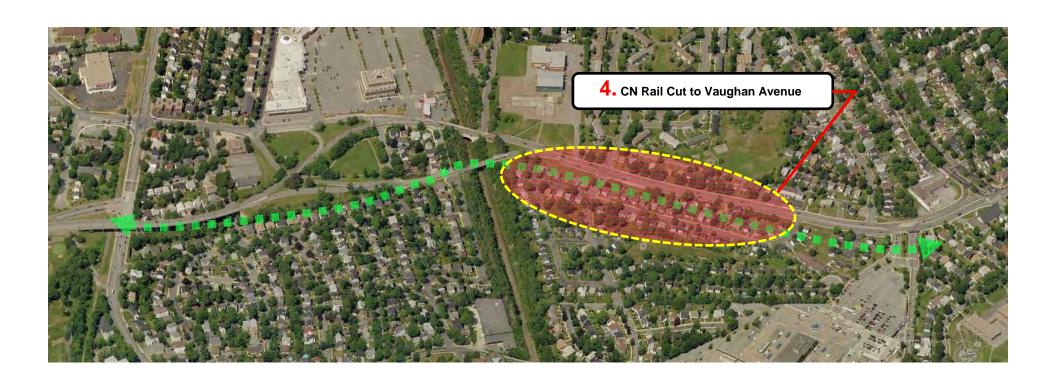


Option 2: New Dedicated AT Bridge



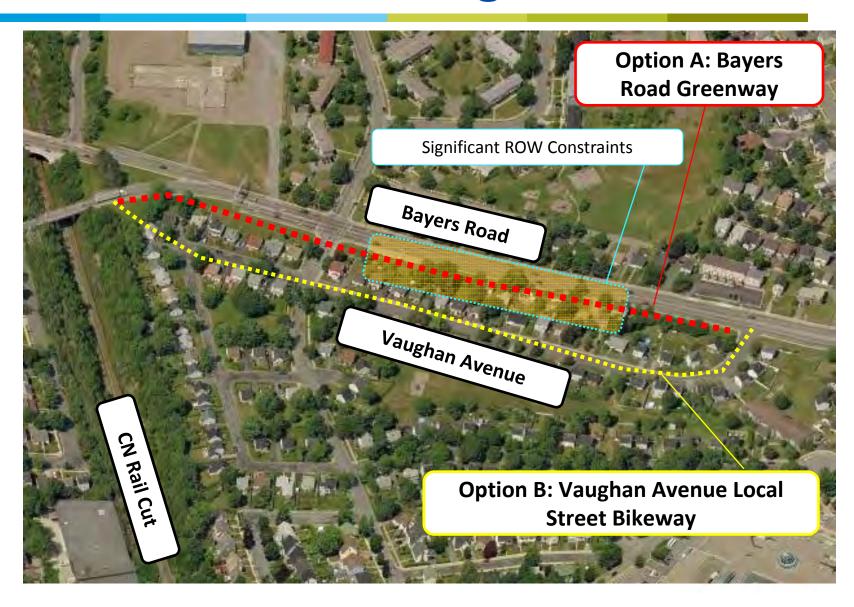


4. CN Rail Cut to Vaughan Avenue





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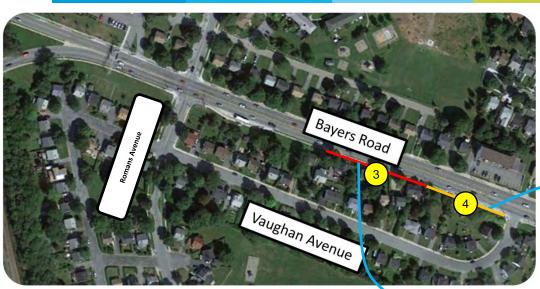
4A. Bayers Road







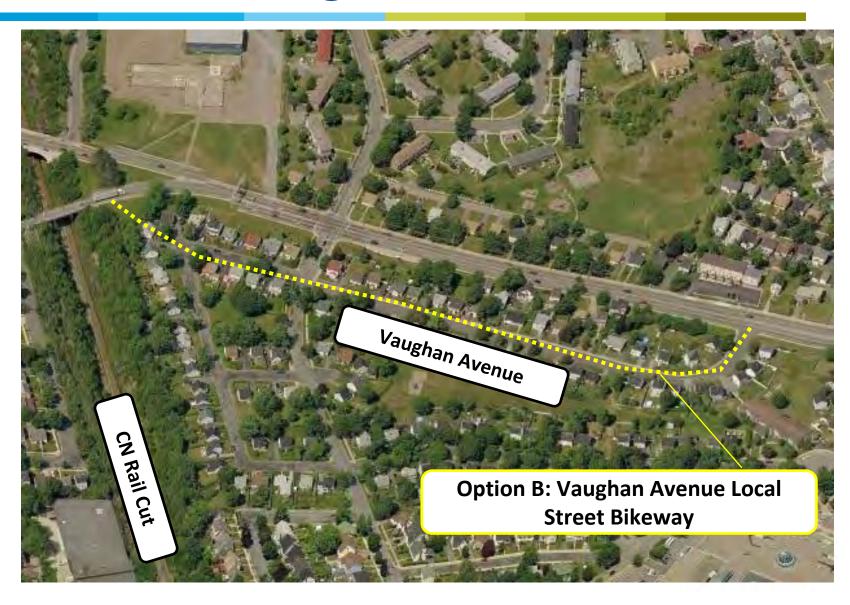
4A. Bayers Road



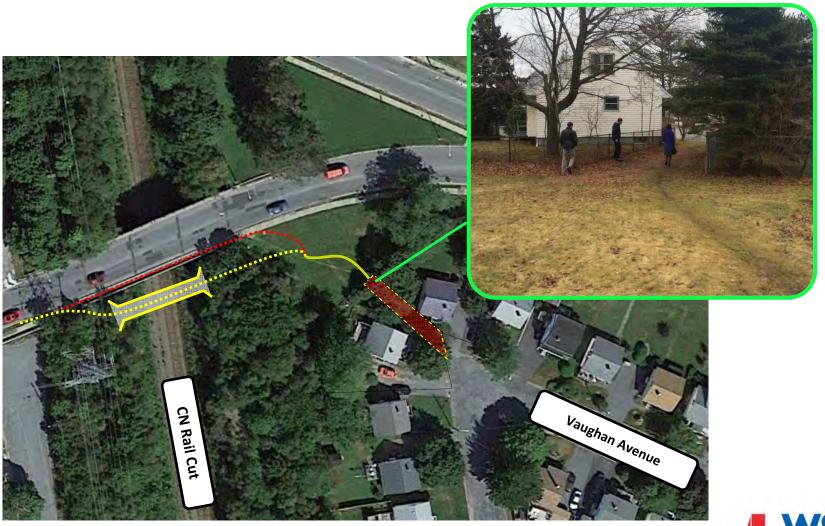




4B. Vaughan Avenue



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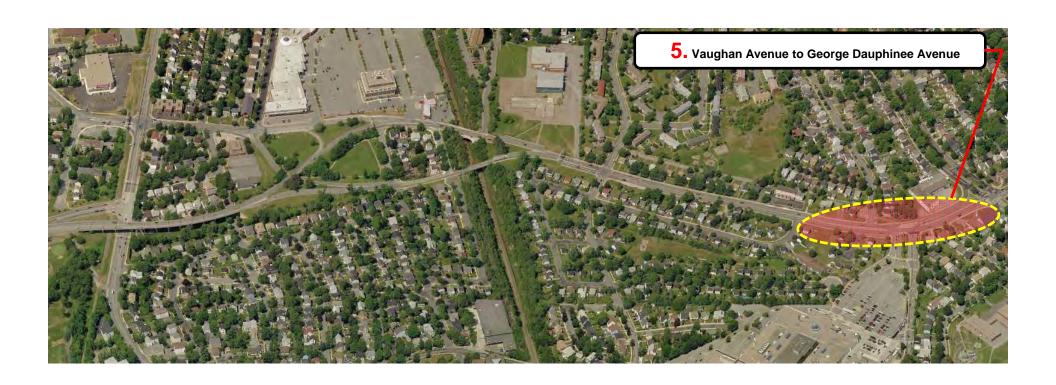




Local Street Bikeway Concept







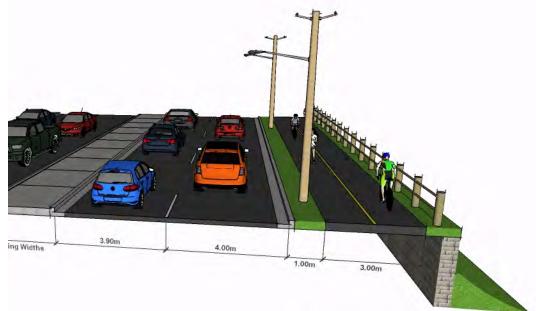


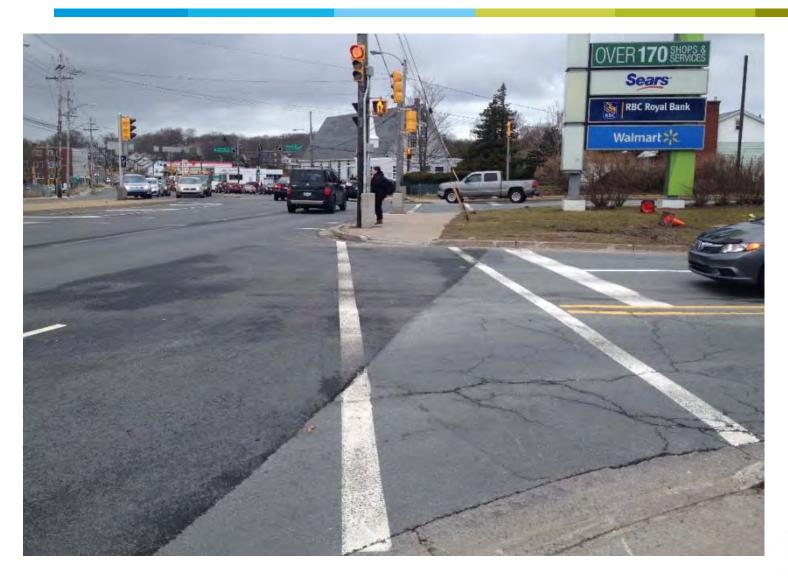




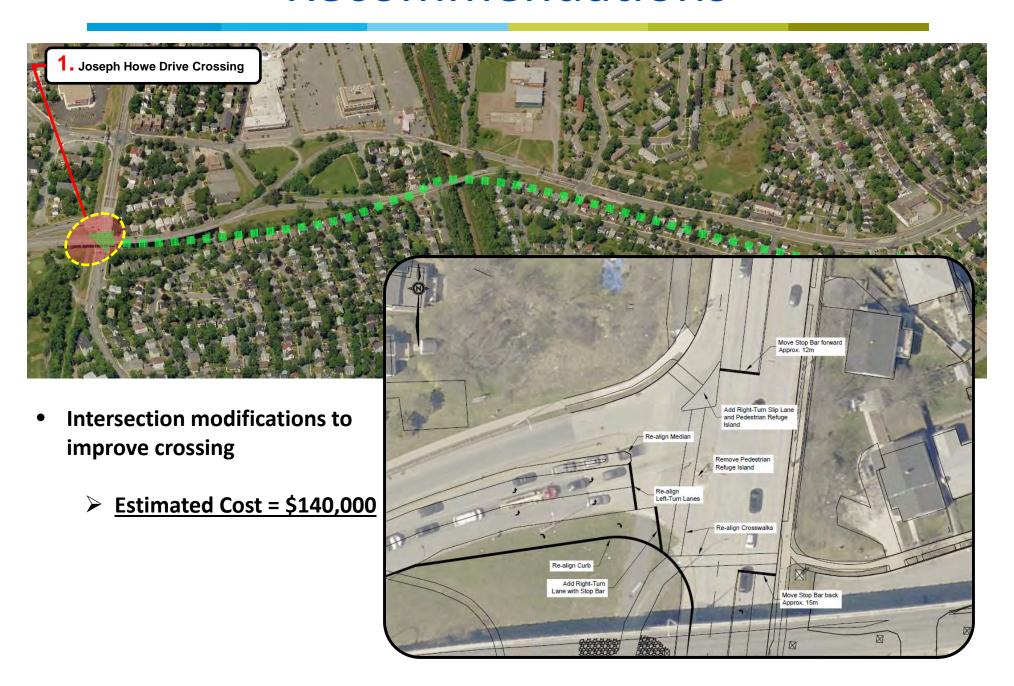


Greenway Concept



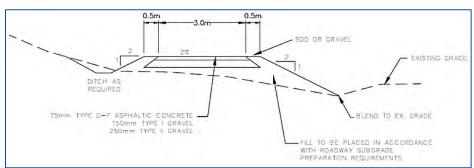








- Construct 3-4m multi-use greenway
 - **Estimated Cost = \$240,000**

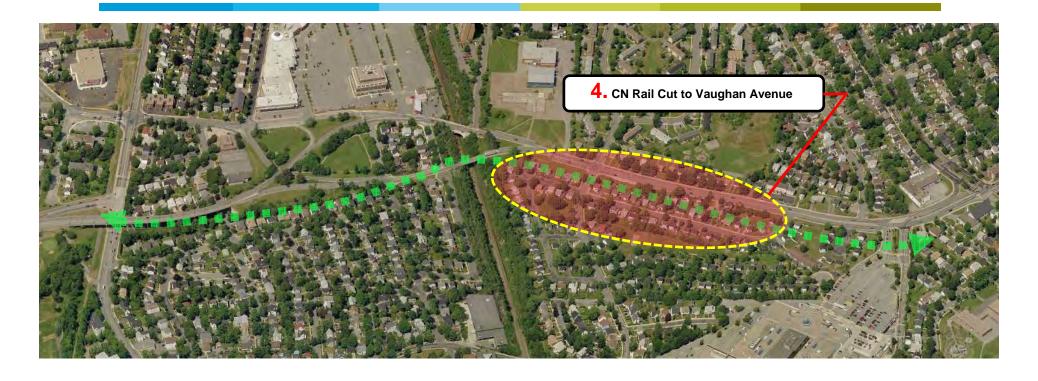






- Consult with NSTIR to determine if an agreement can be reached for use of existing bridge
 - **Estimated Cost (bridge modifications) = \$110,000**
- Plan for construction of a dedicated AT bridge (depending on Bayers Road plans)
 - **Estimated Construction Cost = \$500,000**



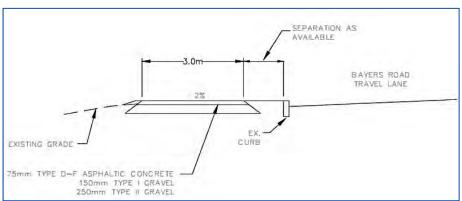


- Interim: Vaughan Avenue Local Street Bikeway
 - **Estimated Cost = \$90,000**
- Long-term: Construct 3m multi-use greenway





- Construct 3m multi-use greenway
 - **Estimated Cost = \$250,000**



Consider options to improve crossing for AT modes

