

# ALDERNEY DRIVE FUNCTIONAL PLAN

## What is the Project?

Halifax Regional Municipality is investigating conceptual design scenarios for providing several multi-modal upgrades to the core transit and active transportation network in Dartmouth. Alderney Drive is a key corridor for living, working, shopping, and moving people. This project is meant to:

- Determine how best to implement **transit priority** and Bus-Rapid Transit service;
- Enhance the **pedestrian** realm and incorporate connected **cycling** infrastructure;
- Apply **best practices** for **road safety** and address areas of previous collisions.



Halifax Rapid Transit Strategy (2020)

## Project Area:



## What's next for the project?

HRM is working with consultants at WSP to develop a functional design that meet project objectives for the project study area. A **functional design report** will be prepared which will identify the opportunities and constraints for the Preferred Design Option.

- The **functional design report** will include conceptual options for the corridor as well as a summary of what we heard from public engagement events. Feedback will be used to inform a preferred design option that will be advanced to the functional design phase as part of the final report.

## How can you participate?

Your input is an important part of the design process. We invite you to review the options being considered and provide your feedback. Tell us about your experiences in each of the areas, and how the design concepts might impact you. Let us know if you have any ideas or concerns. Public feedback will be considered to refine the concept design options during the next stage of the project.



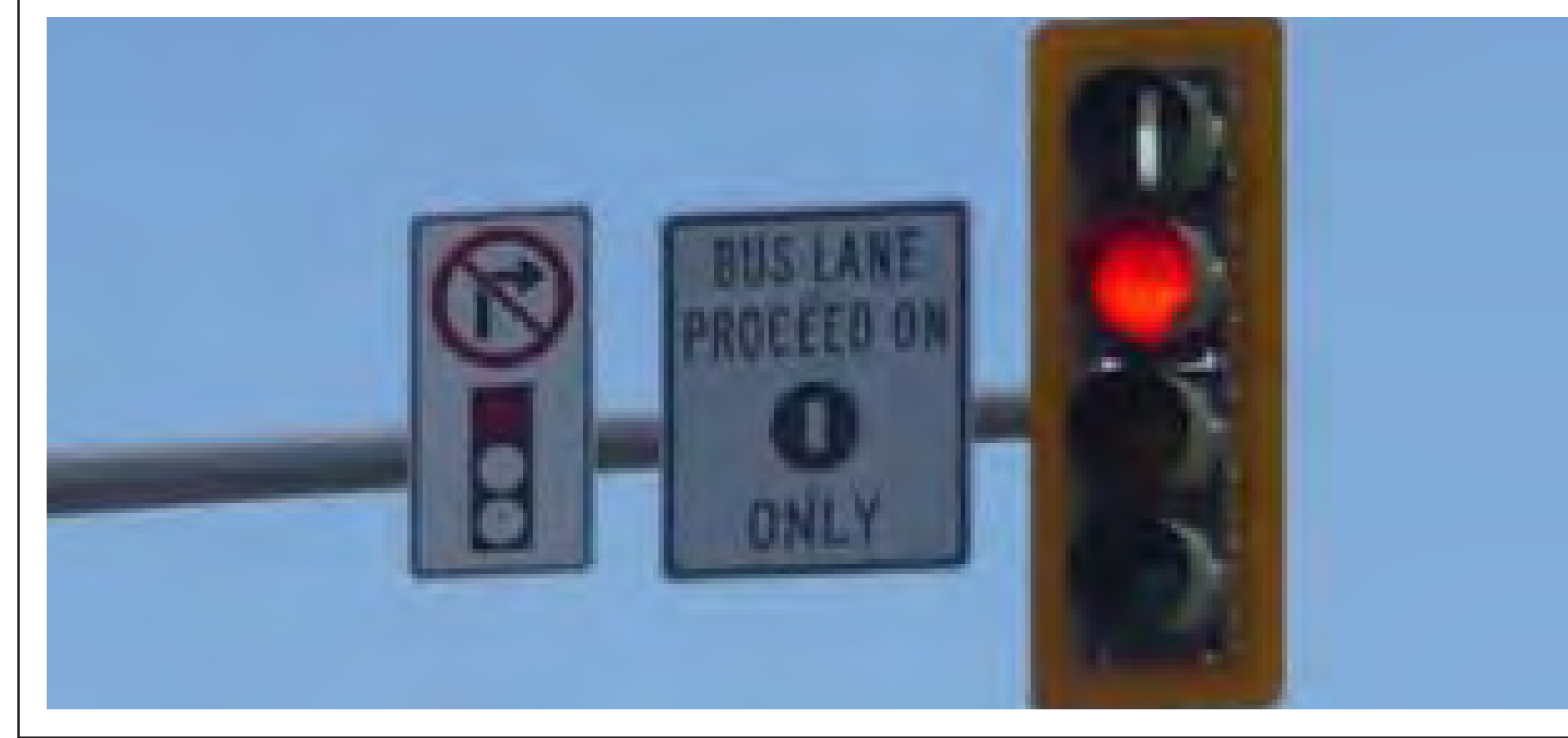
To successfully provide upgraded active transportation and improved transit facilities, the following types of features will be considered:



### Transit Priority Lane

Transit priority measures are treatments introduced on a roadway that give an advantage to buses. Curbside lanes are dedicated to be used by buses only. Intersections have signs that indicate that the lane is for right turning vehicles only and buses are permitted to proceed through the intersection from the right turn lane.

**Why are they useful?**  
Transit priority lanes prioritize the movement of Halifax Transit buses over other vehicles, reducing travel time and increasing reliability. They give buses unimpeded travel and allow them to bypass congestion and traffic queues.



### Transit Priority Signal

A transit priority signal phase – indicated by a white vertical bar above the signal head – is displayed during a red phase, allowing buses to proceed during this phase while other vehicles must wait for the green phase.

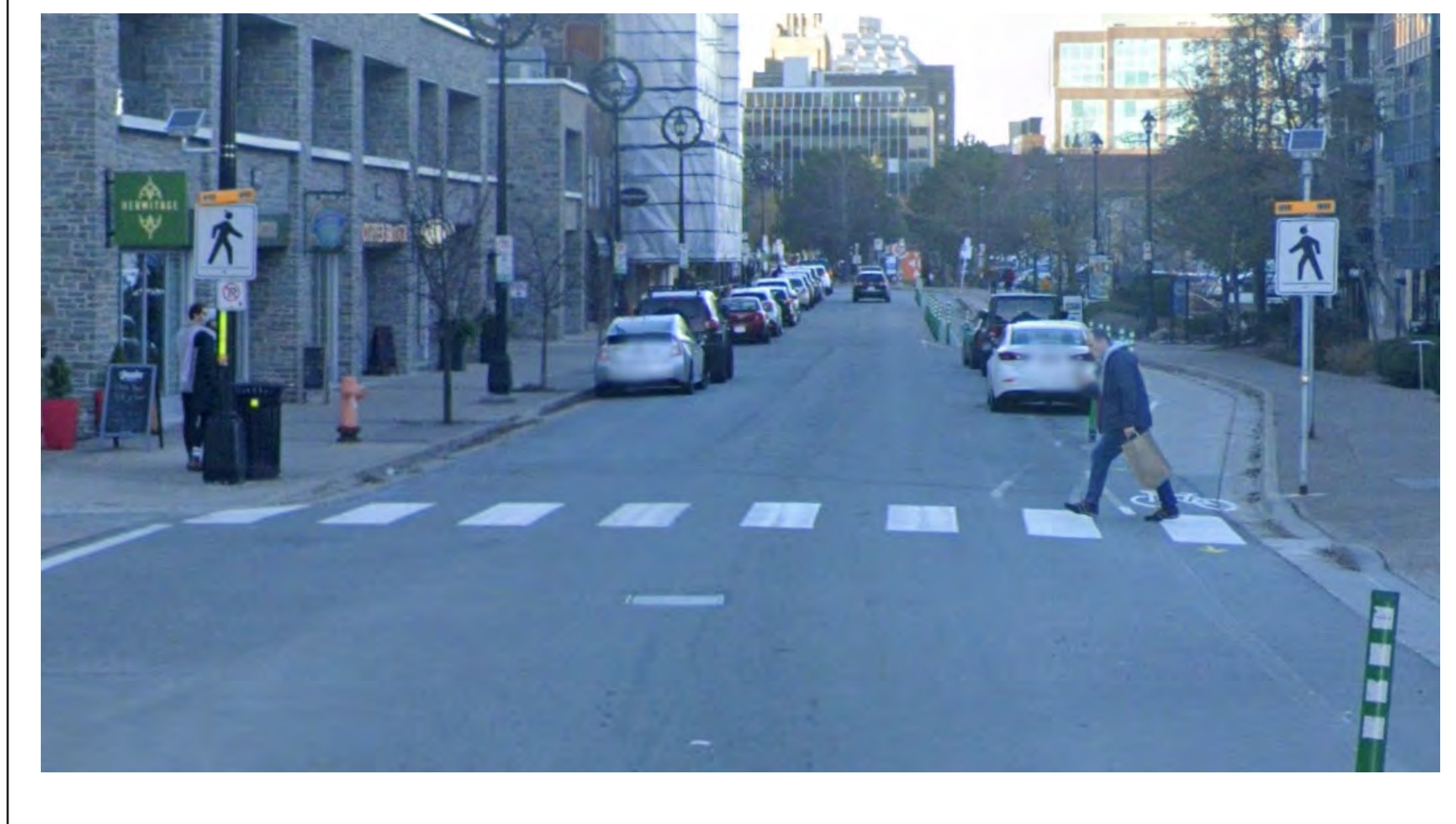
**Why are they useful?**  
Transit priority signals prioritize the movement of Halifax Transit buses over other vehicles, reducing travel time and increasing reliability. They allow buses additional moving time before other vehicles can proceed.



### RA-5 Crosswalks

RA-5 crosswalks are pedestrian activated crosswalk treatment systems that consist of overhead and side mounted amber flashing beacons, additional downlighting, side mounted pedestrian crosswalk signs, and zebra pavement markings.

**Why are they useful?**  
The purpose is to improve the safety and help people walking, rolling, and cycling create reliable gaps to cross longer road widths.



### Rectangular Rapid-Flashing Beacons

Rectangular Rapid Flashing Beacon (RRFB) pedestrian crossings control the flow of traffic with the use of a pedestrian push-button that activates flashing lights on the side of the road.

**Why are they useful?**  
By placing the beacons on the side of the road they are closer to driver eye height and have been found to improve driver yielding.



### Protected Cycle Lanes

**Uni-Directional (One-Way):**  
One-Way Protected Cycle Lanes allow for people to cycle in one direction only. They are typically installed curbside on both sides of the street.

**Bi-Directional (Two-Way):**  
Two-Way Protected Cycle Lanes feature two directions of bicycle travel on the same side of the street.

**Why are they useful?**  
A physical barrier protects people cycling and minimizes interactions with vehicles except at intersections and driveways. It is more safe and comfortable for riders of all ages and abilities.