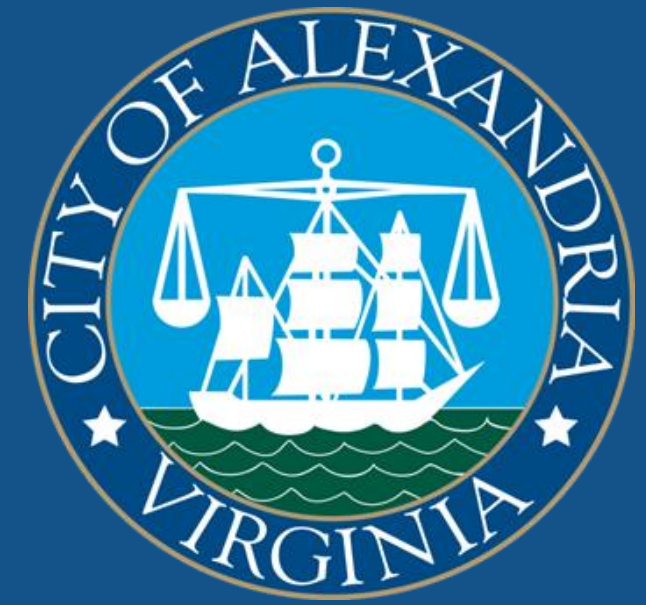


King Street Access & Safety Improvements Study at Alexandria City High School

June 3, 2025 Project Open House

City of Alexandria

Department of Transportation & Environmental Services



Agenda



Project Location

Project Need

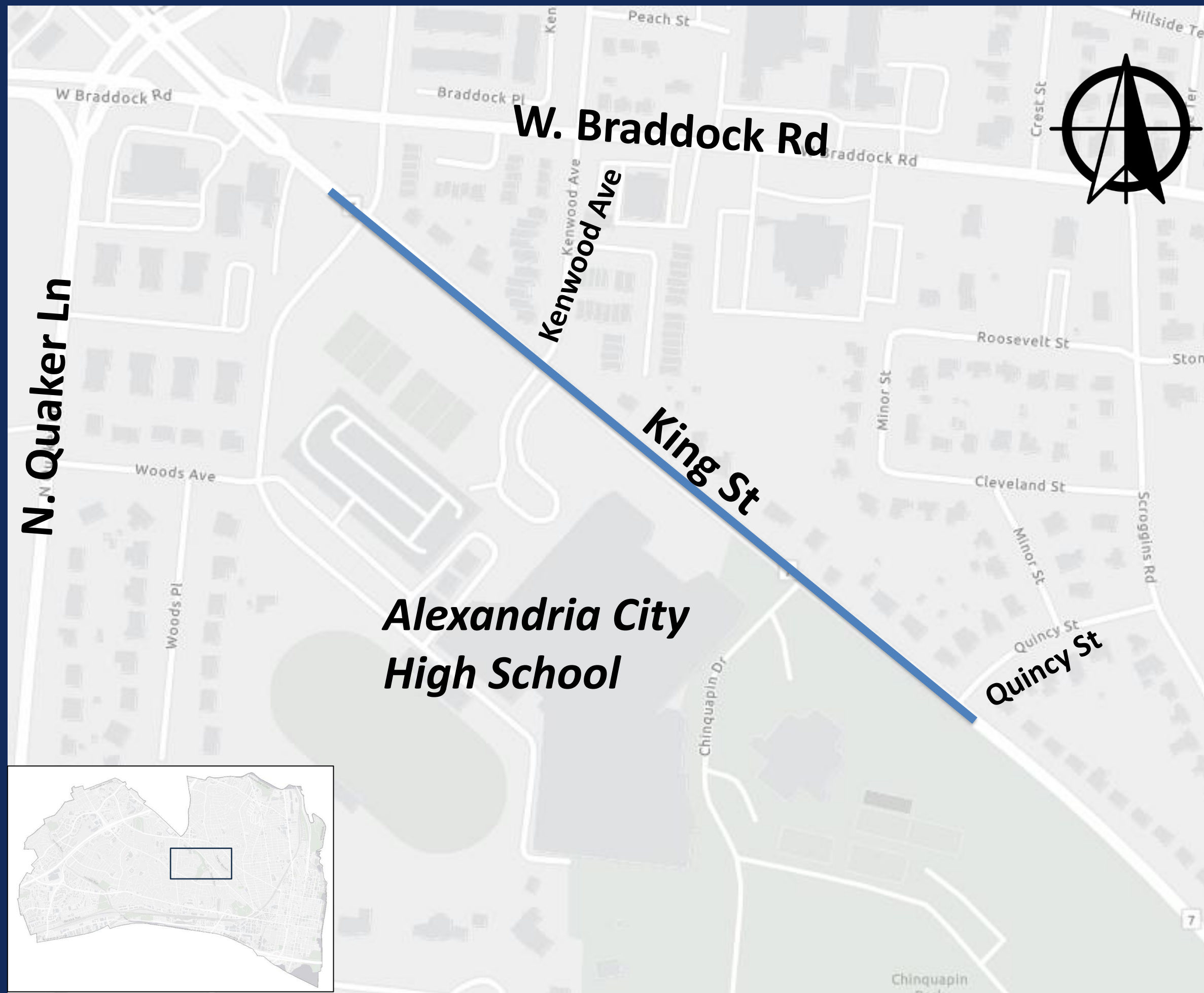
Project Goals

Existing Conditions

Concepts

Additional Treatments

Upcoming Activity



Project Location

Project Need



VTrans & PBSAP safety issues
identified by the state

The 2021 Alexandria Mobility Plan
identifies study area as priority
bicycle gap location in the City.

A 2023 Safe Routes to School walk
audit identified a number of
opportunities to increase the safety
of students walking and biking to
school.

Project Goal

Identify improvements that enhance the day-to-day operations and safety of all roadway users and can be implemented in a short time period.



Existing Conditions

Pedestrian Level of Comfort



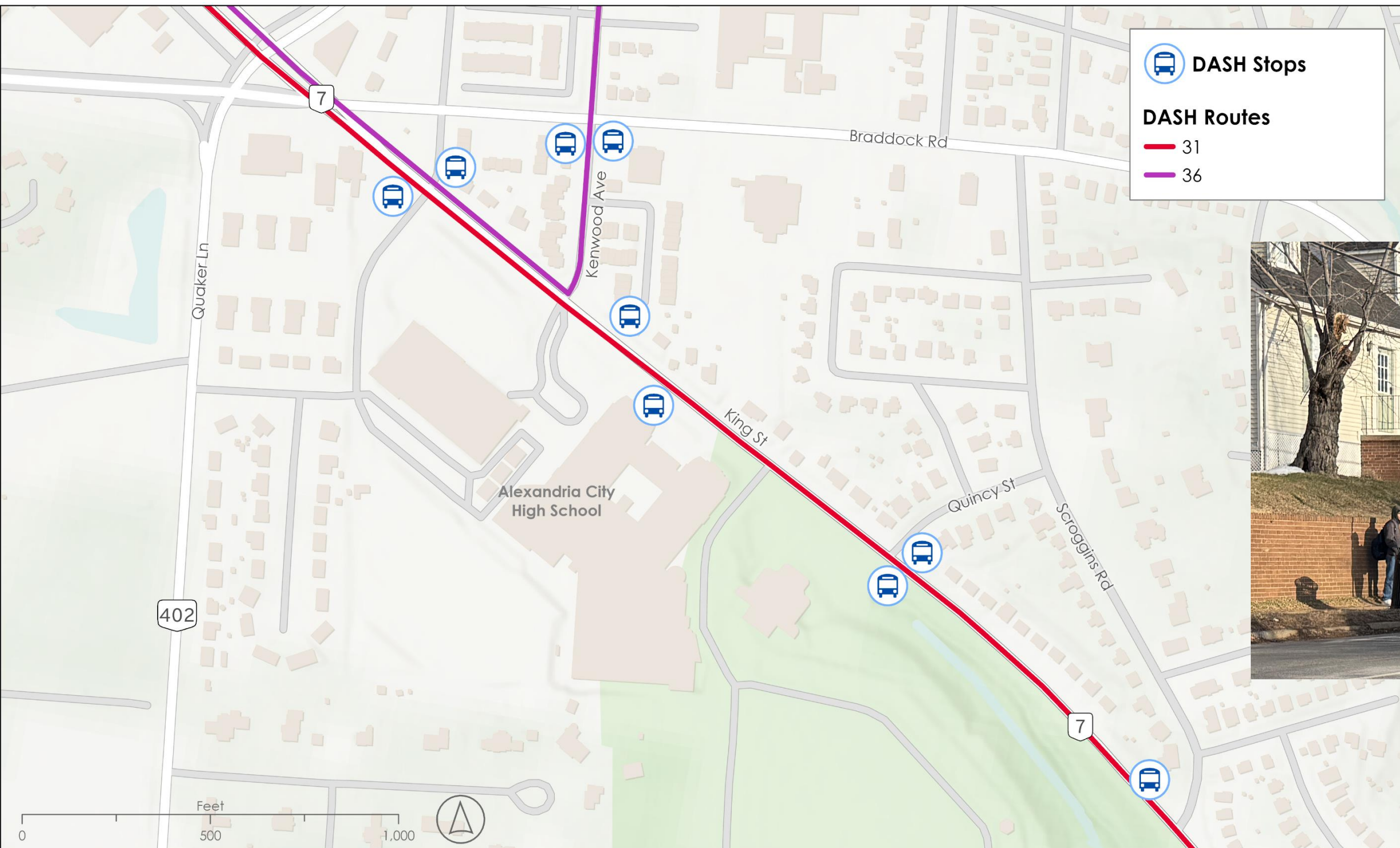
Existing Conditions

Bicycle Level of Traffic Stress



Existing Conditions




Heavily Used Bus Corridor









Existing Conditions

Vehicle Operations: Level of Service



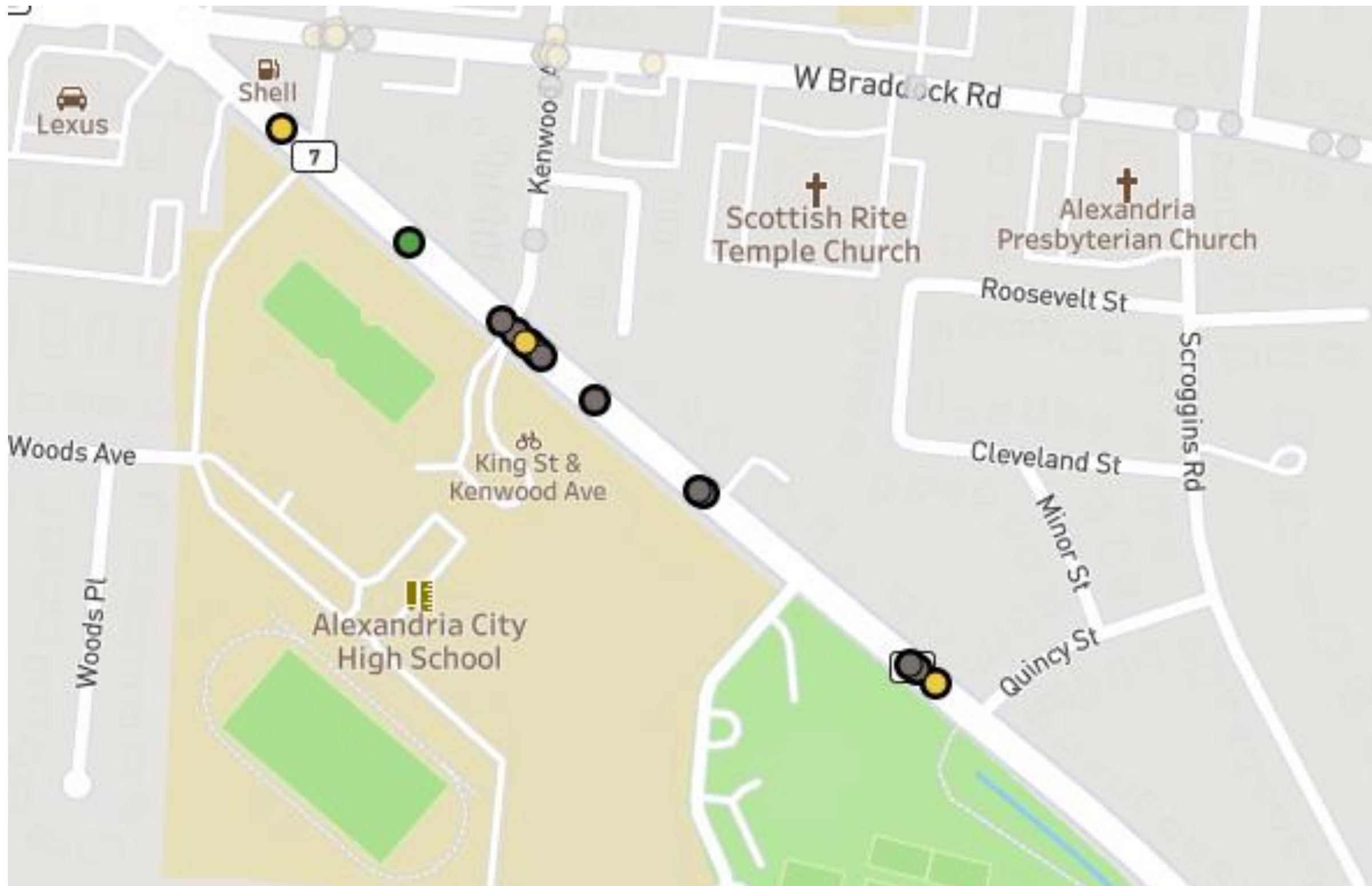
Radford & King Streets		
		
AM Peak	School	PM Peak
A	D	A

Kenwood Avenue & King Street		
		
AM Peak	School	PM Peak
D	E	C

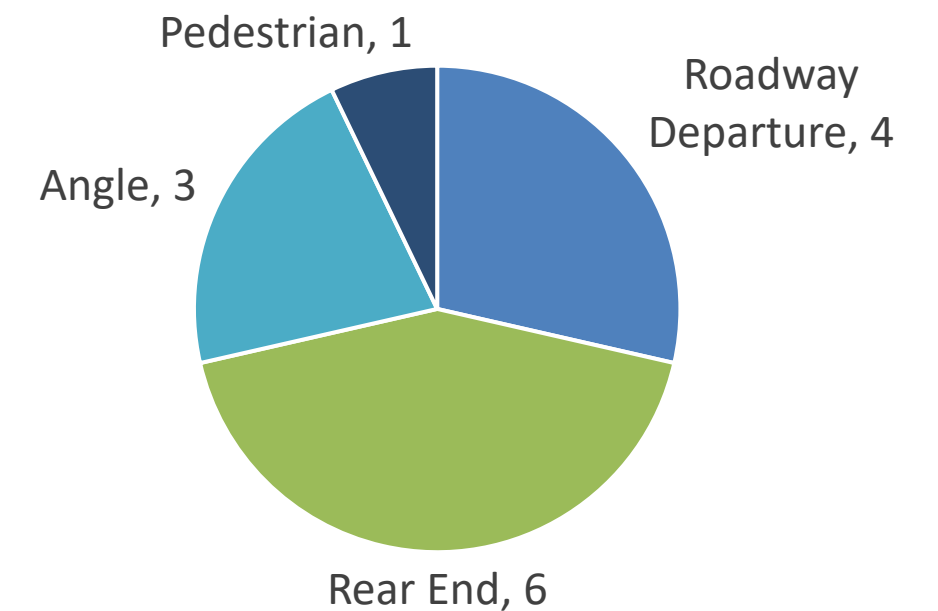
Chinquapin Drive & King Street		
		
AM Peak	School	PM Peak
C	B	B

Existing Conditions

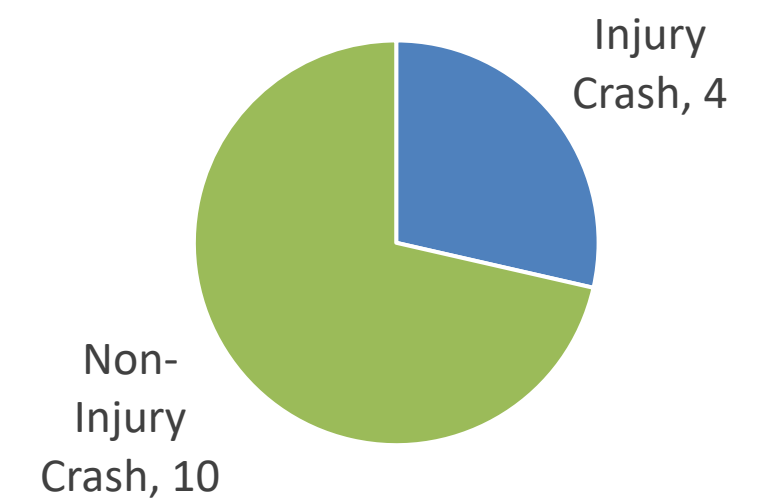
Crash Review: 2021-2024



Crashes by Type



Injury Crashes





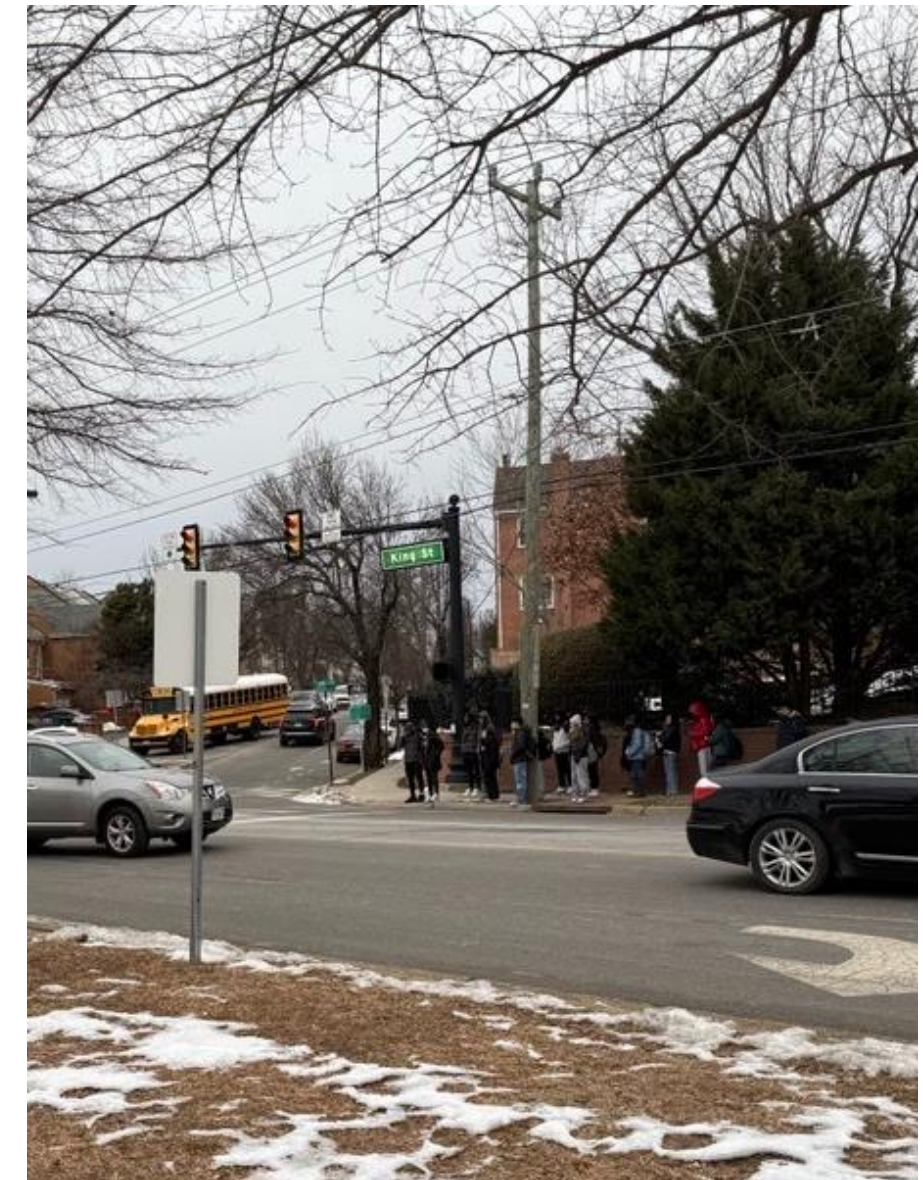
School Pick-Up & Drop-Off



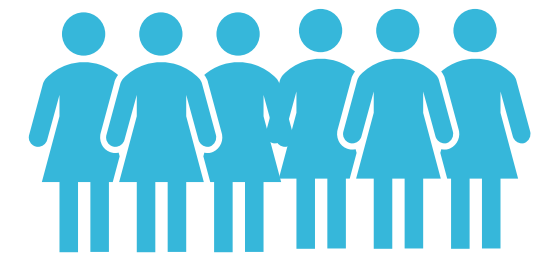
Vehicle Backups



Pedestrian Crossings



Crowded Sidewalks

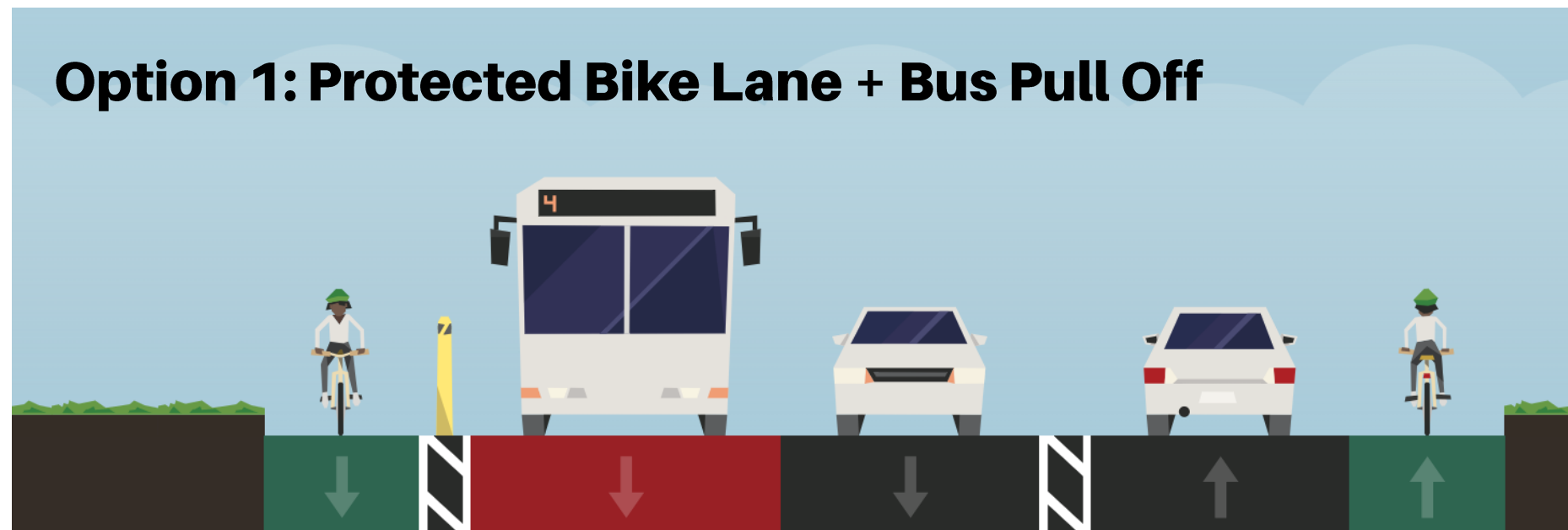


Observed Challenges

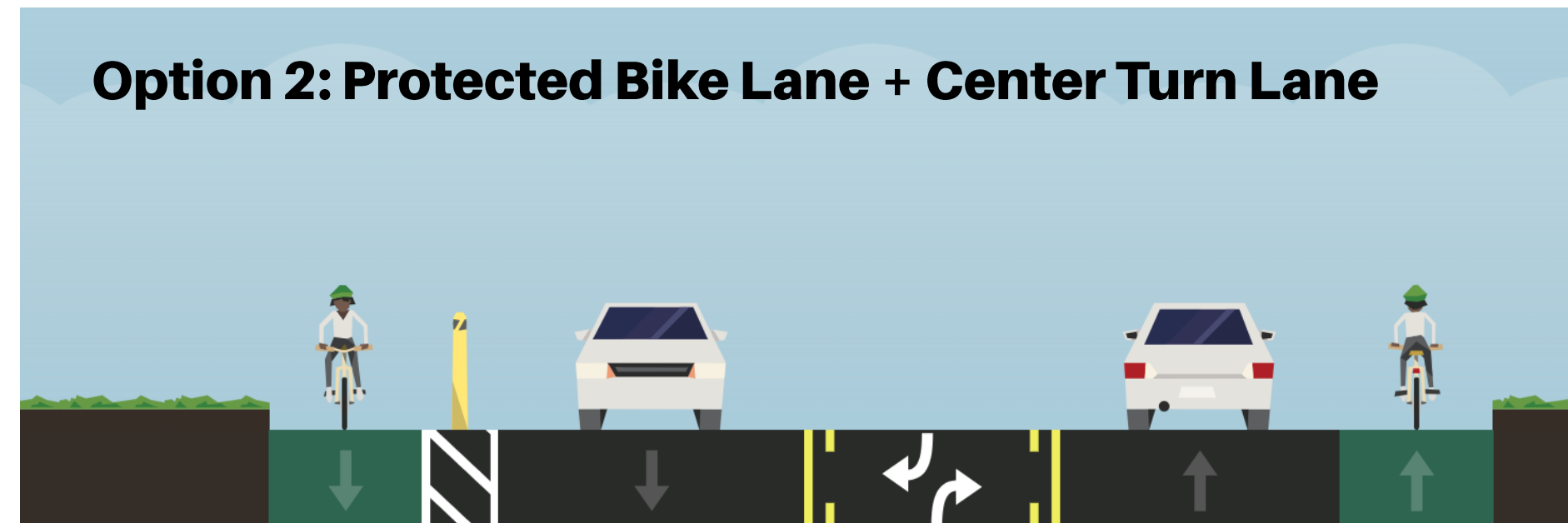
Concepts

Between Kenwood Avenue and Chinquapin Drive

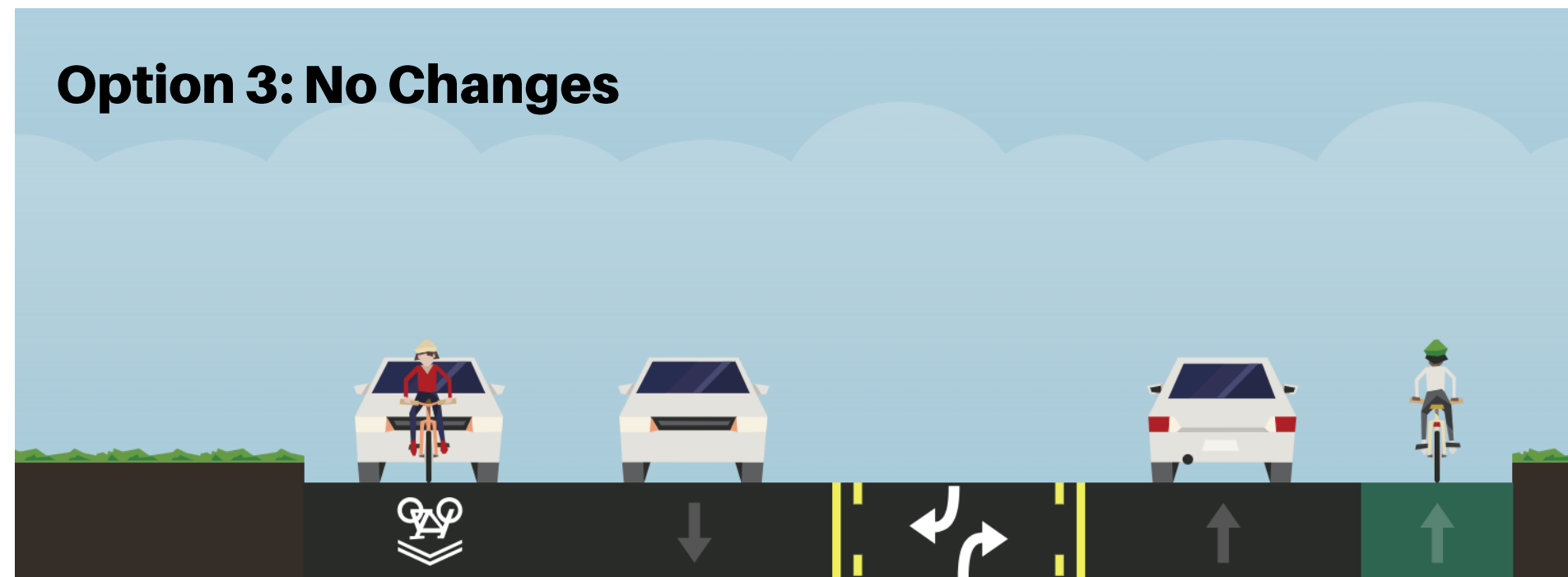
Option 1: Protected Bike Lane + Bus Pull Off



Option 2: Protected Bike Lane + Center Turn Lane

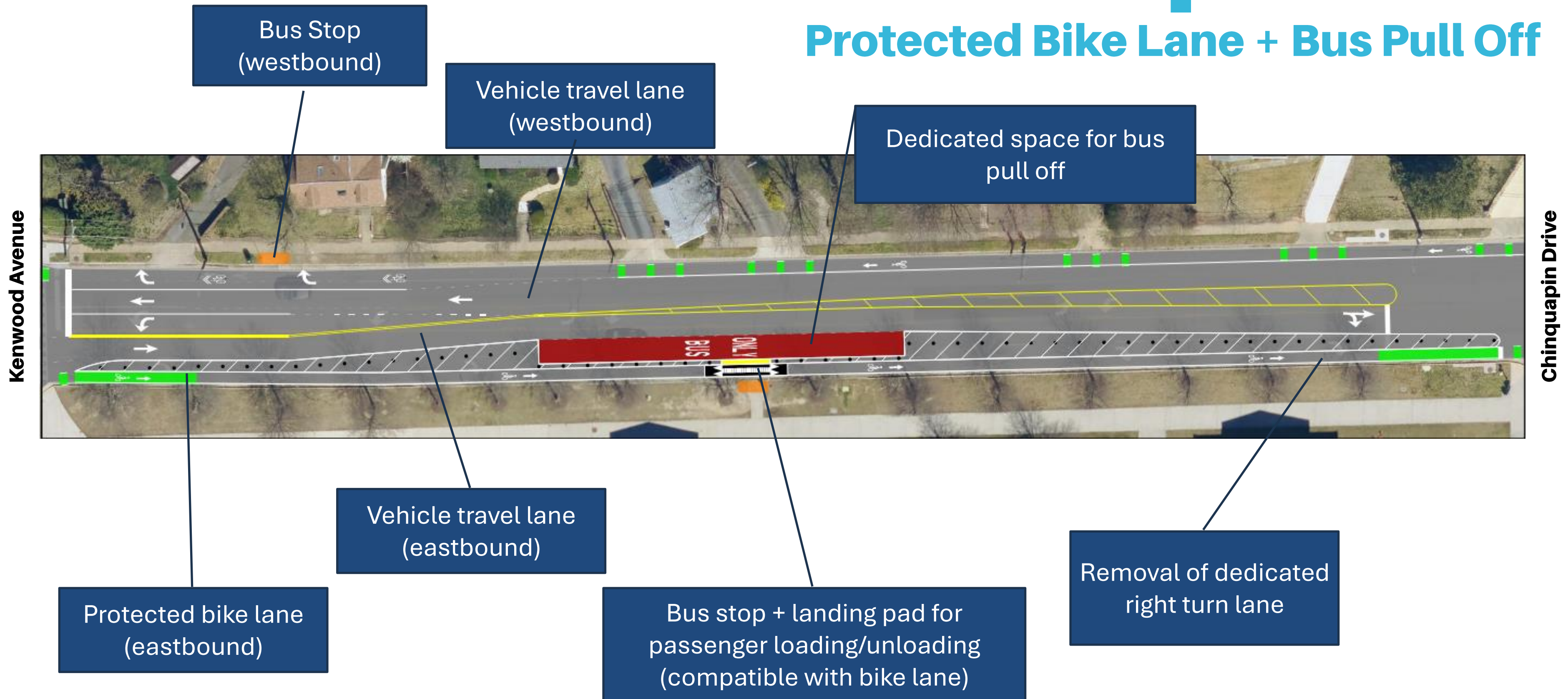


Option 3: No Changes



Option 1

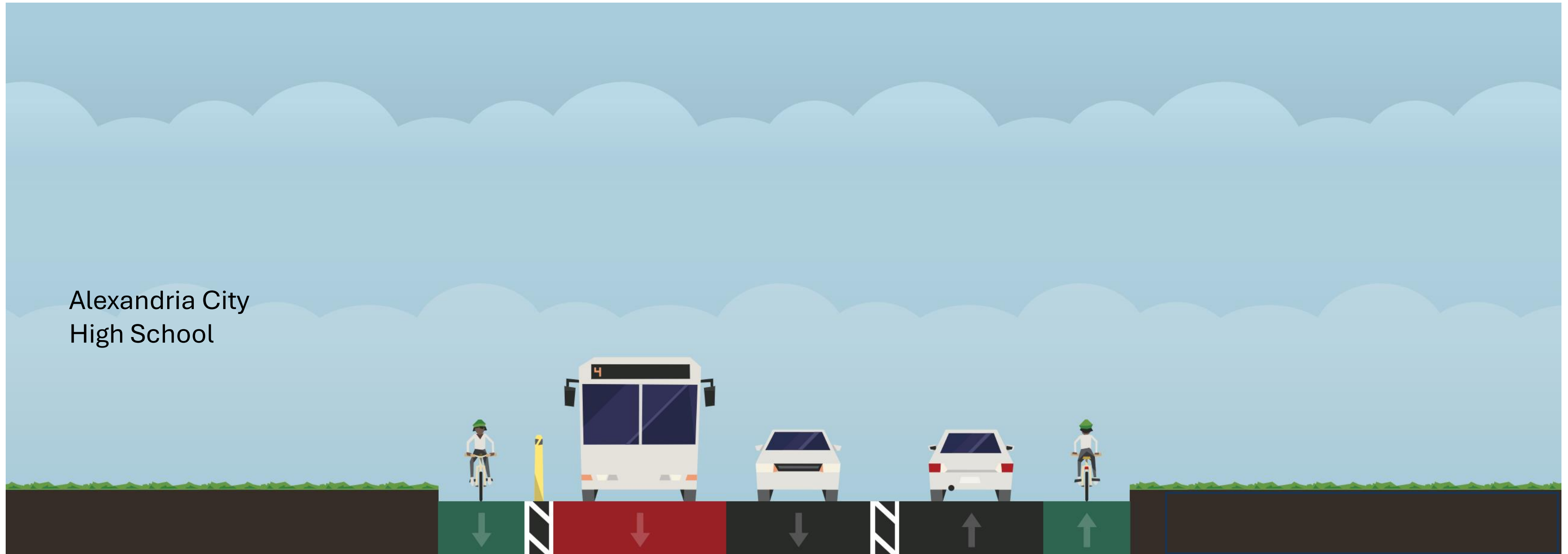
Protected Bike Lane + Bus Pull Off



Option 1

Protected Bike Lane + Bus Pull Off

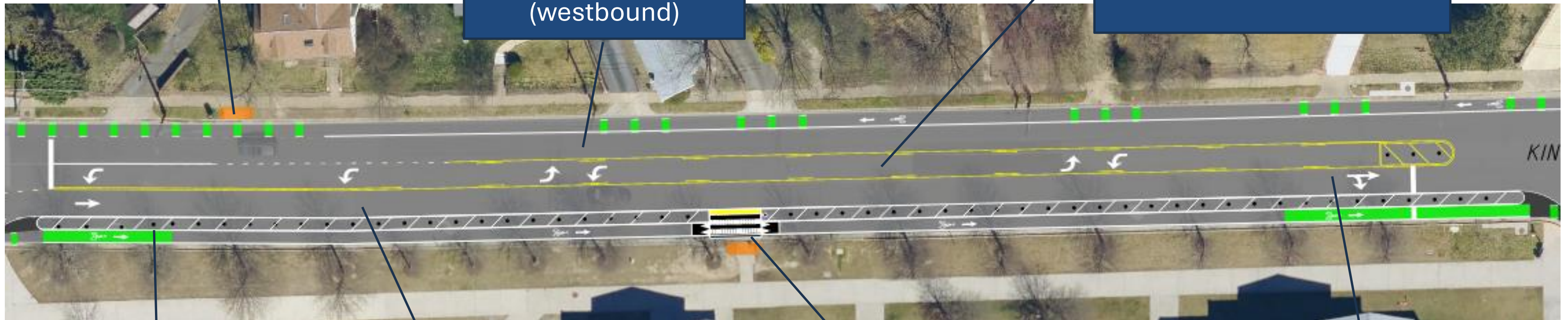
Alexandria City
High School



Option 2

Protected Bike Lane + Center Turn Lane

Kenwood Avenue



Chinquapin Drive

Bus stop
(westbound)

Vehicle travel lane
(westbound)

Center turn lane

Protected bike lane
(eastbound)

Vehicle travel lane
(eastbound)

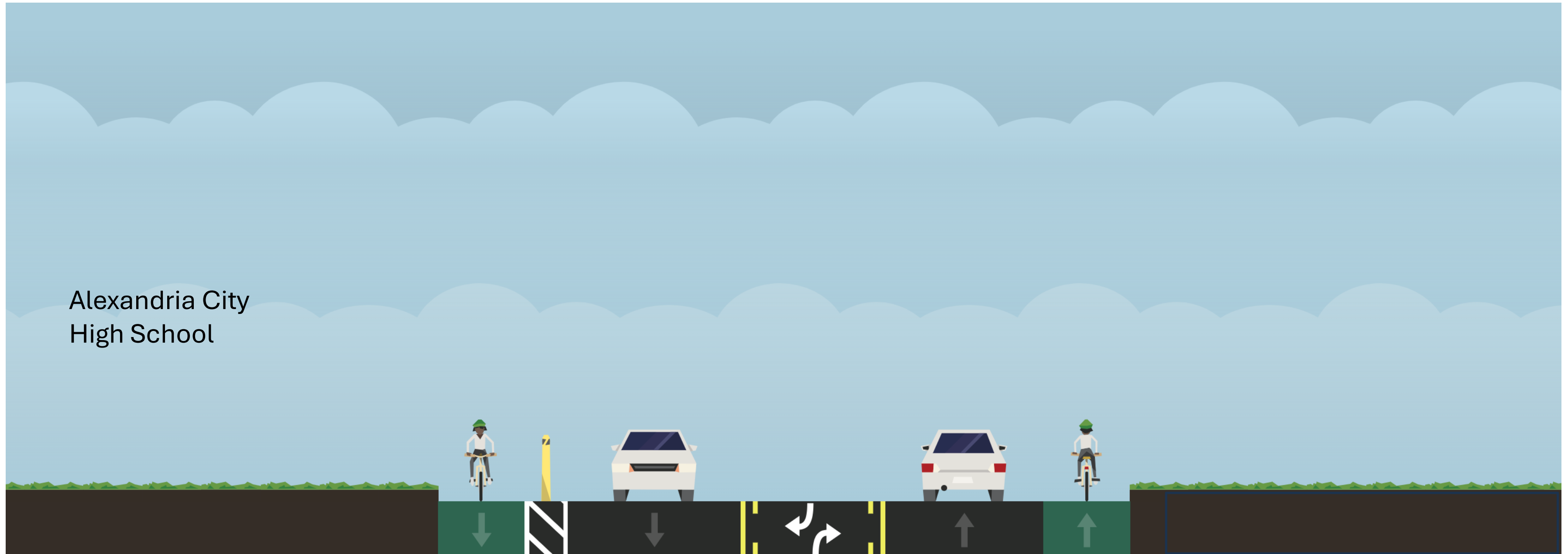
Bus stop + landing pad for
passenger loading/unloading
(compatible with bike lane)

Removal of dedicated
right turn lane

Option 2

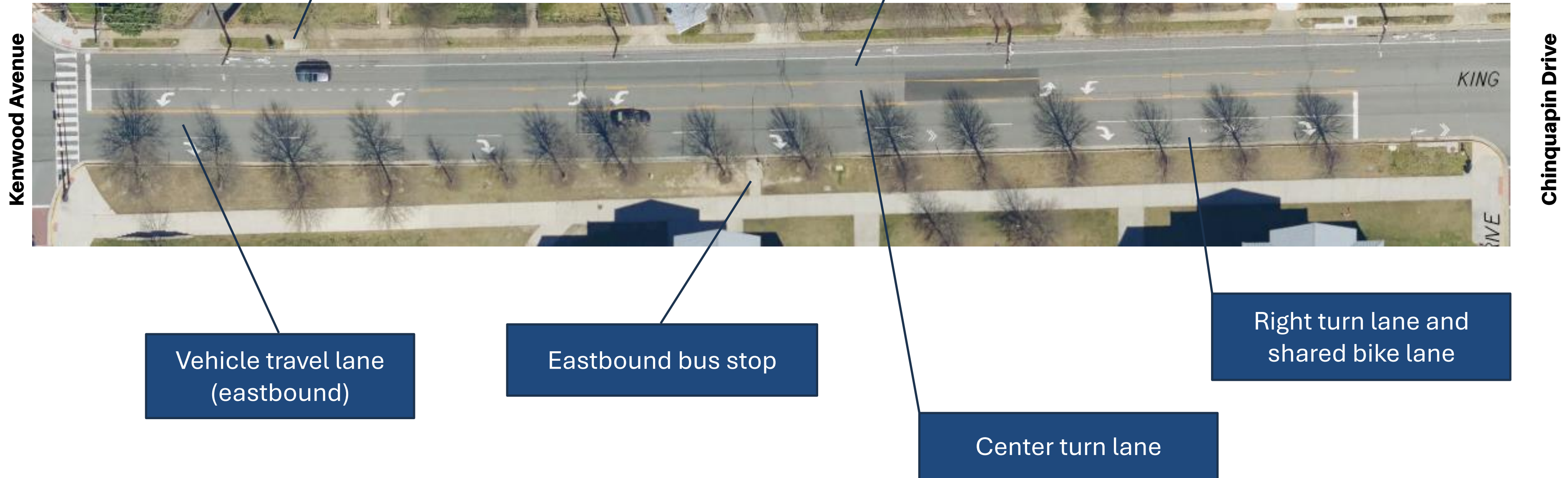
Protected Bike Lane + Center Turn Lane

Alexandria City
High School



Option 3

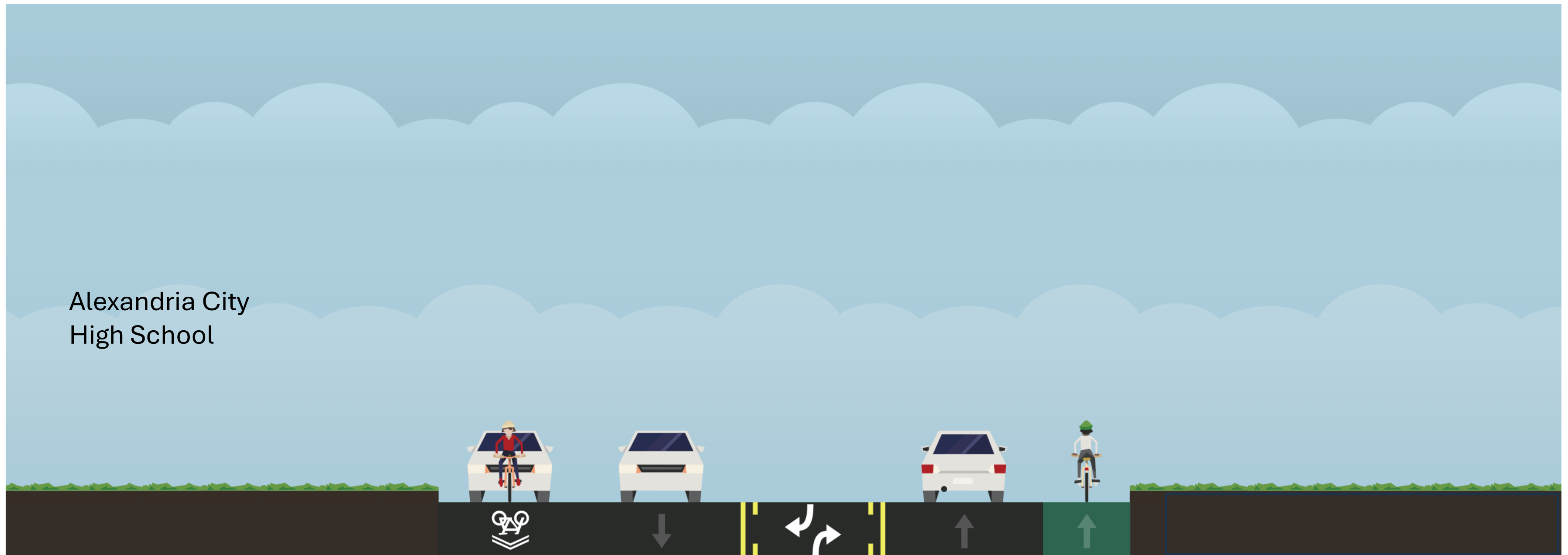
No Changes



Option 3

No Changes

Alexandria City
High School



Additional Treatments

Radford
Street

Kenwood
Avenue

Chinquapin
Drive



High Visibility
Crosswalk



Consolidated
Bus Stops



Leading
Pedestrian
Intervals



Traffic Signal
Adjustments

Upcoming Activity



Stay Informed



Visit the shared project website at:

www.alexandriava.gov/go/6530



Questions & Comments

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Sara.BrandtVorel@AlexandriaVA.gov