

Improving Safety for School Children



Mak Khan

T3
design

MC DOT

VASITE 2023

What is Safe Routes to School (SRTS)?

SRTS is a nationwide program that aims to significantly improve safety for students who walk and bike to school. The three main goals of the program are:

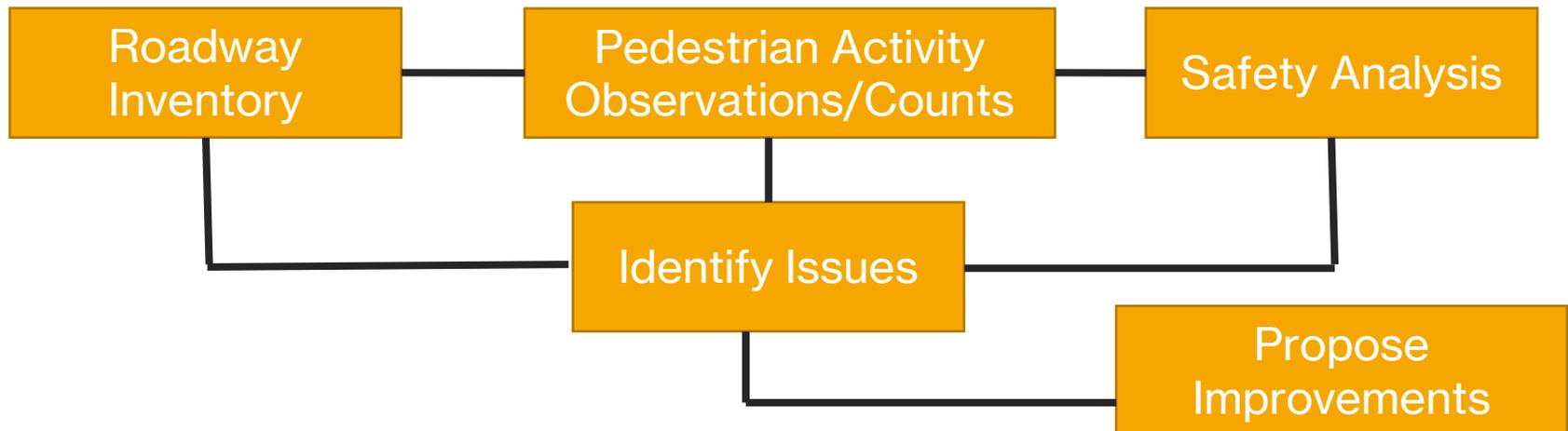
To enable and encourage children, including those with disabilities, to walk and bike to school.

To make biking and walking to school a safer and more appealing transportation choice, thereby encouraging a healthy and active lifestyle from an early age.

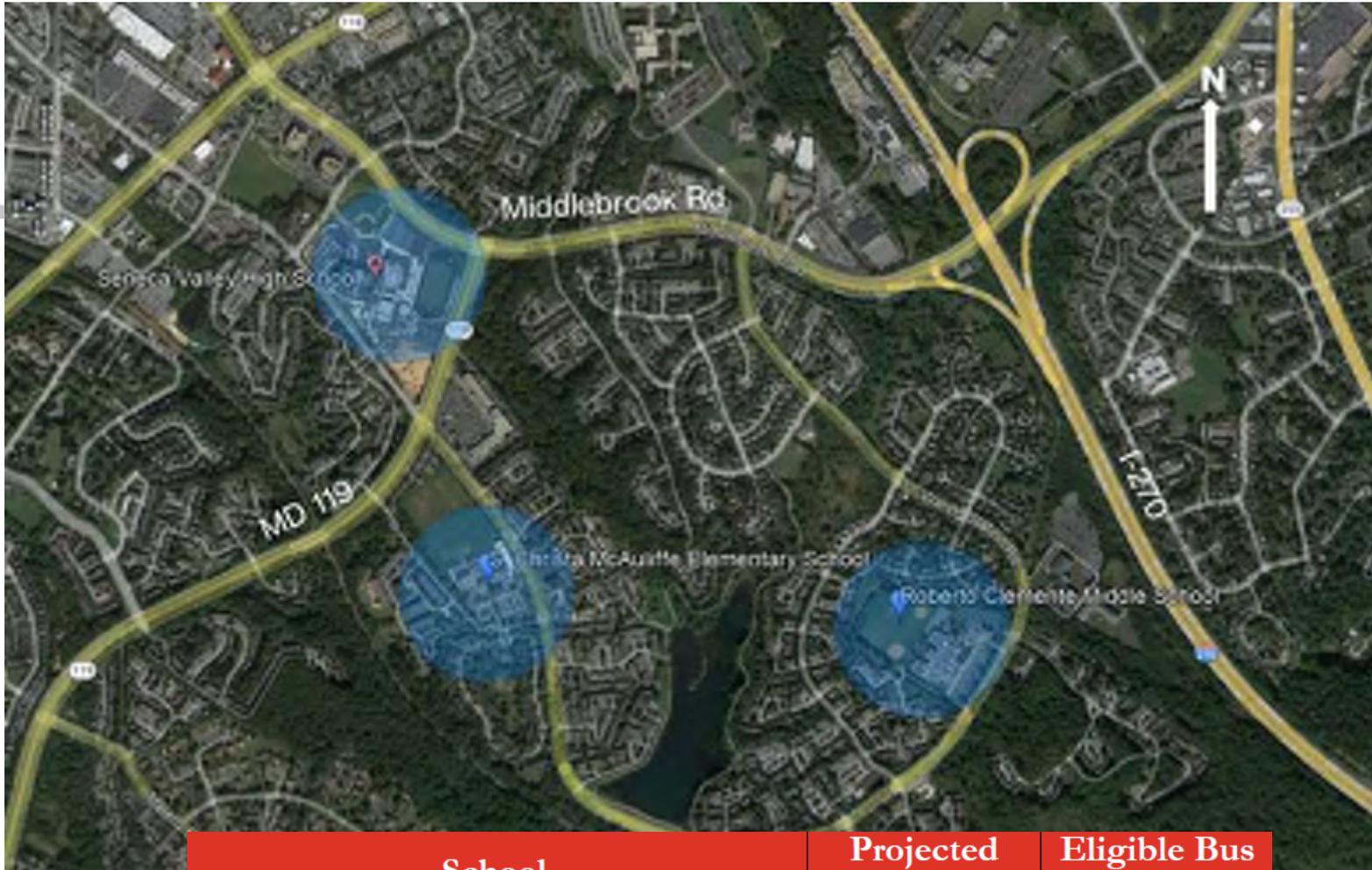
To plan and build projects and activities that will improve safety and reduce traffic, fuel consumption, and air pollution.

-Project Overview & Study Scope

- ❑ Funded by Montgomery County DOT
- ❑ Germantown, Maryland
- ❑ Three Schools Cluster
 - ❖ Seneca Valley High School
 - ❖ Roberto Clemente Middle School
 - ❖ S. Christa McAuliffe Elementary School



Study Area



School	Projected Enrollment	Eligible Bus Riders
Seneca Valley High School	2,337	466
Roberto W. Clemente Middle School	895	308
S. Christa McAuliffe Elementary School	514	200

Data Sources



Google
Earth
Streetview



Conducted
field initial
review



Locations
with optimal
view angles

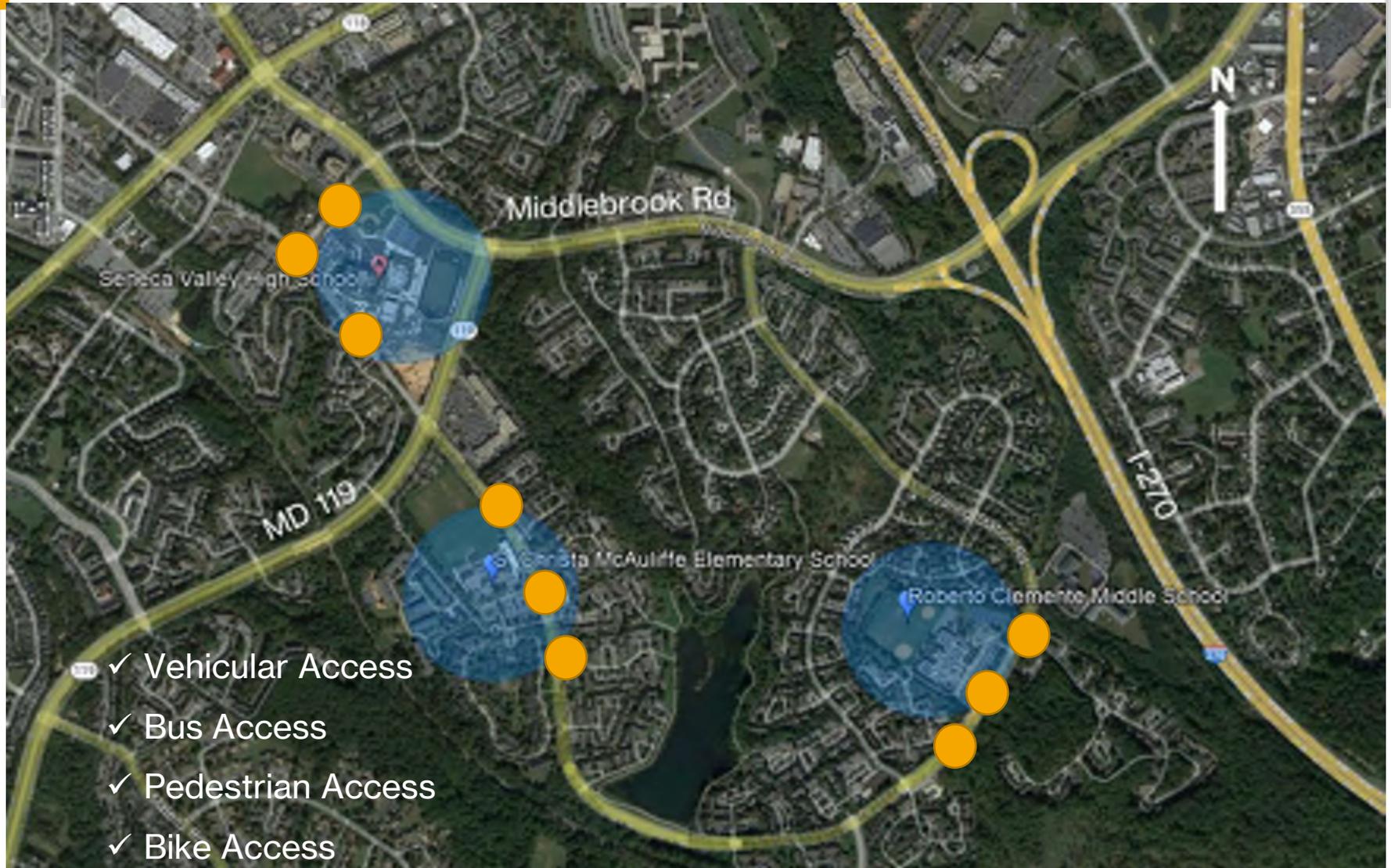


Contacted
Schools to
inform for the
field visit

Field Data

- ❑ Counted the number of school children going into and out of schools
- ❑ Observation Locations
 - ❖ School Entrances
 - ❖ Crossing Guard Locations
 - ❖ Bike Racks
 - ❖ Bus Stops Near Schools
 - ❖ Access Routes
 - ❖ Sidewalk Inventory

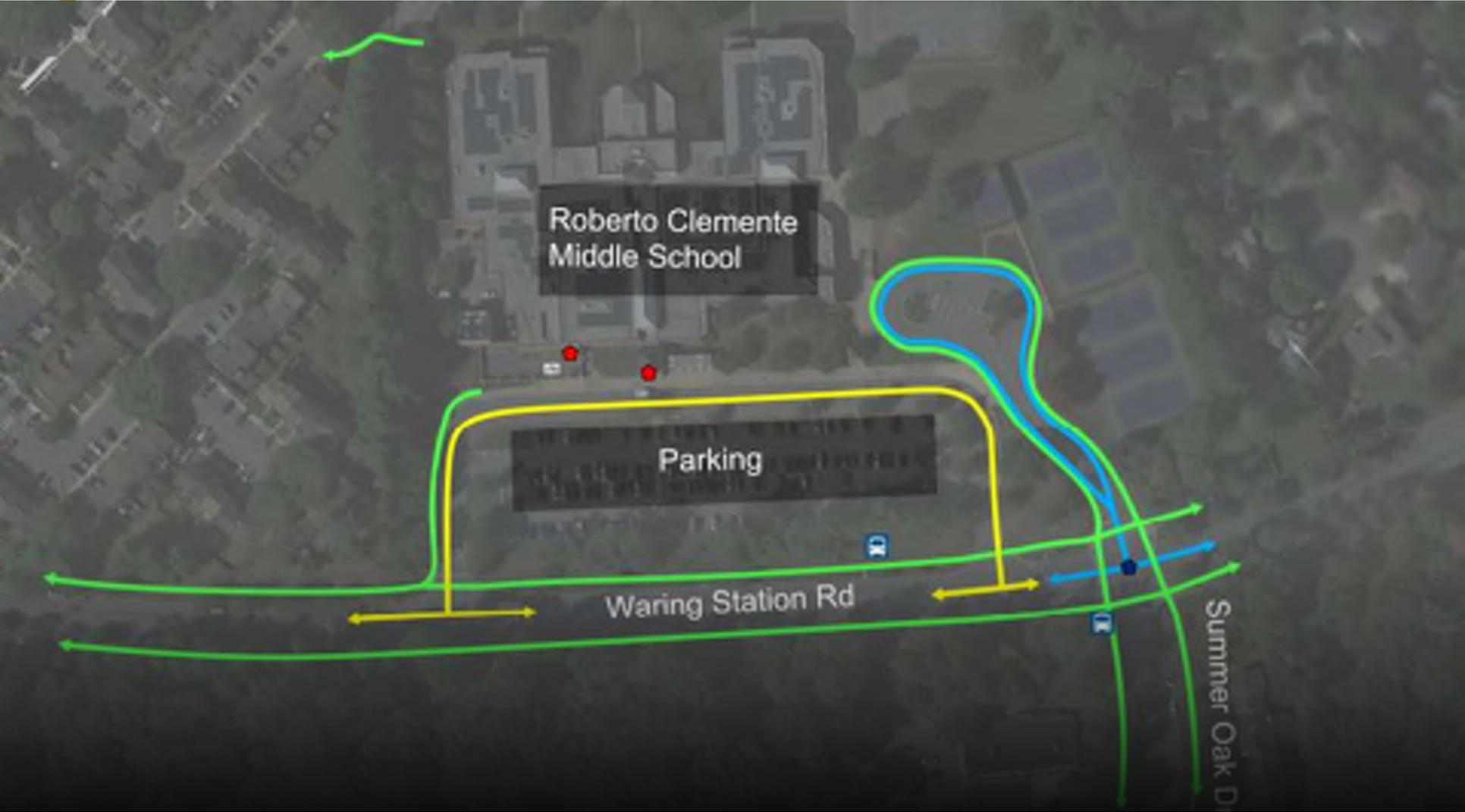
Schools Observation Locations



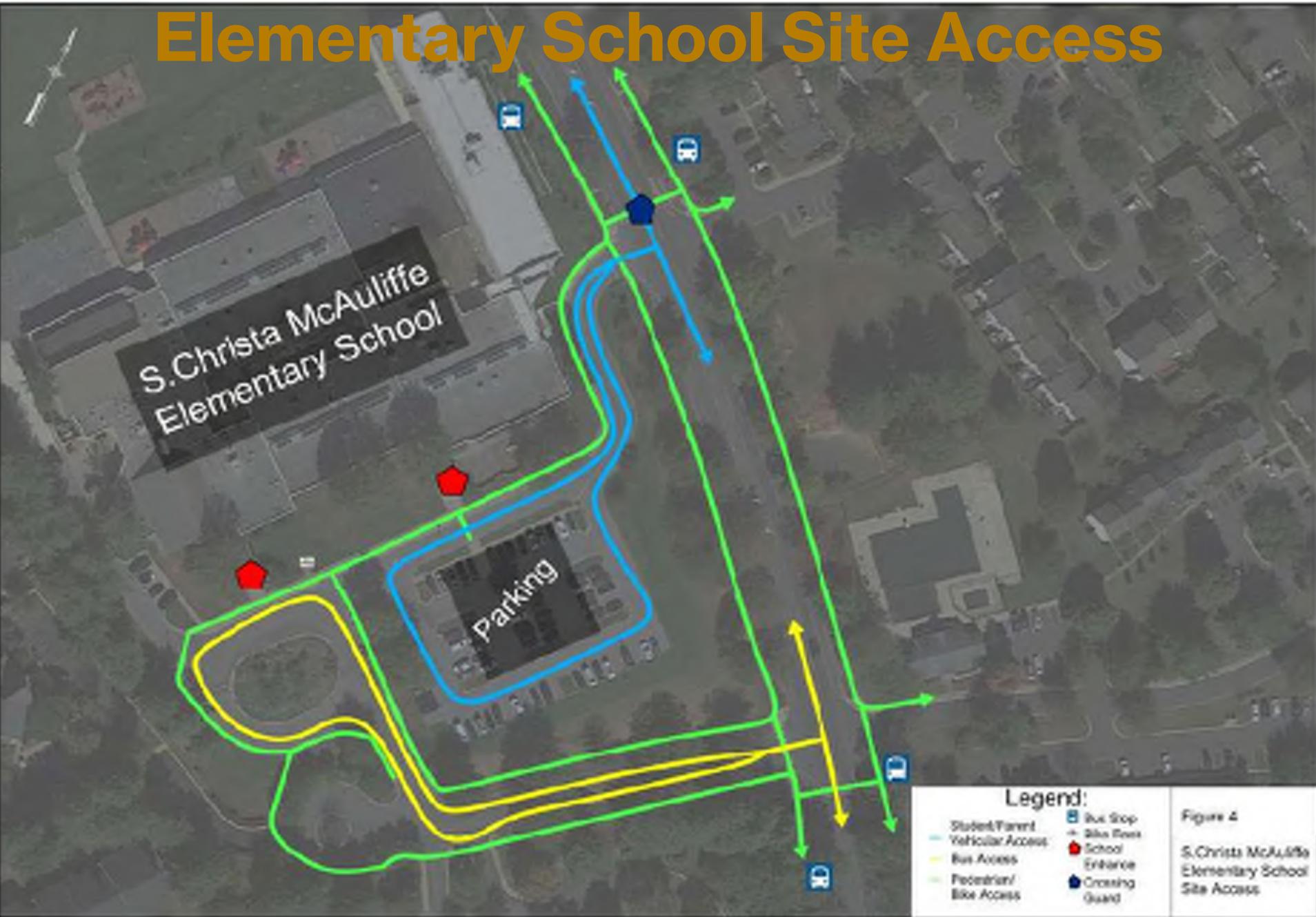
High School Site Access



Middle School Site Access



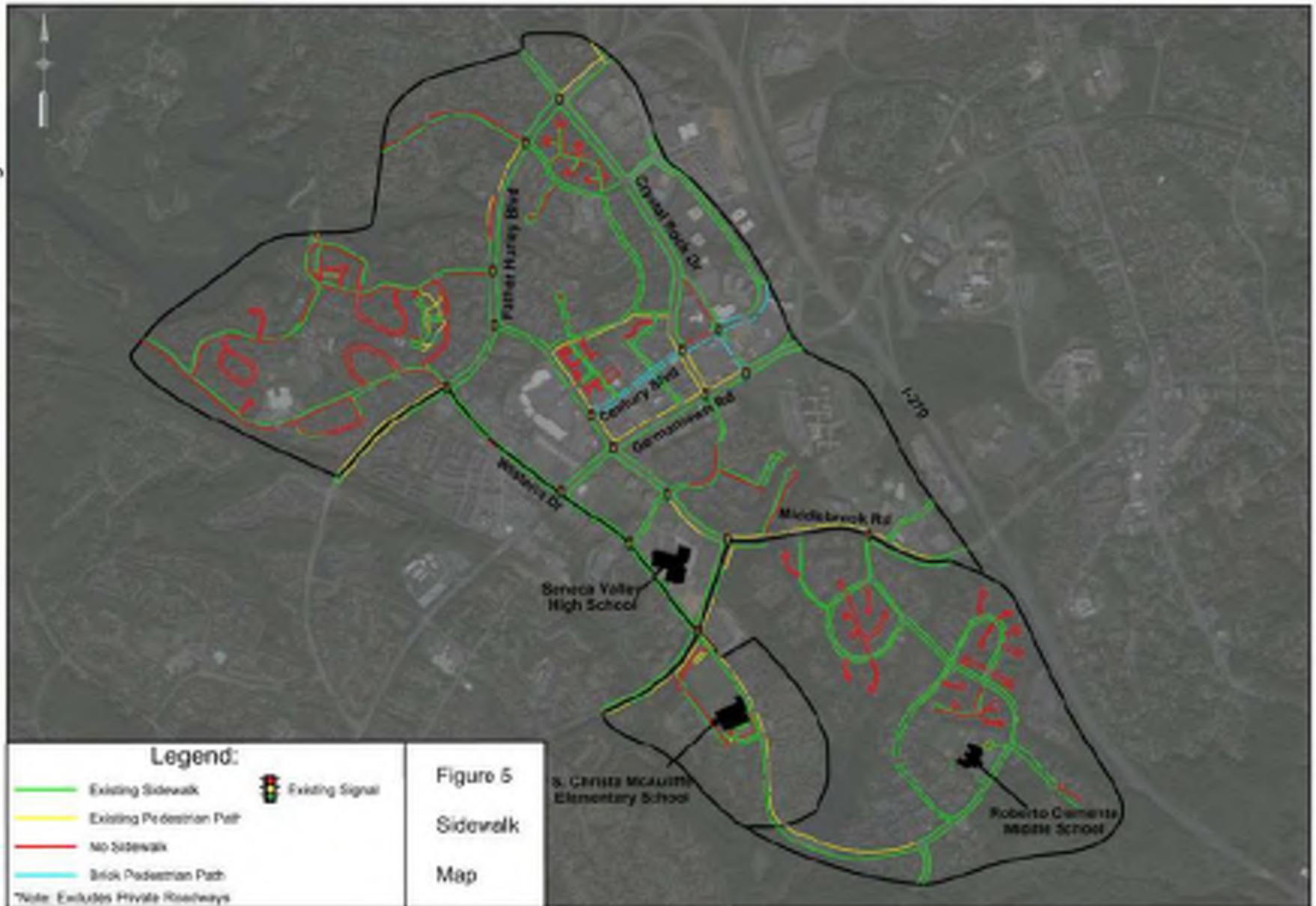
Elementary School Site Access



Vehicular/Pedestrian Observations

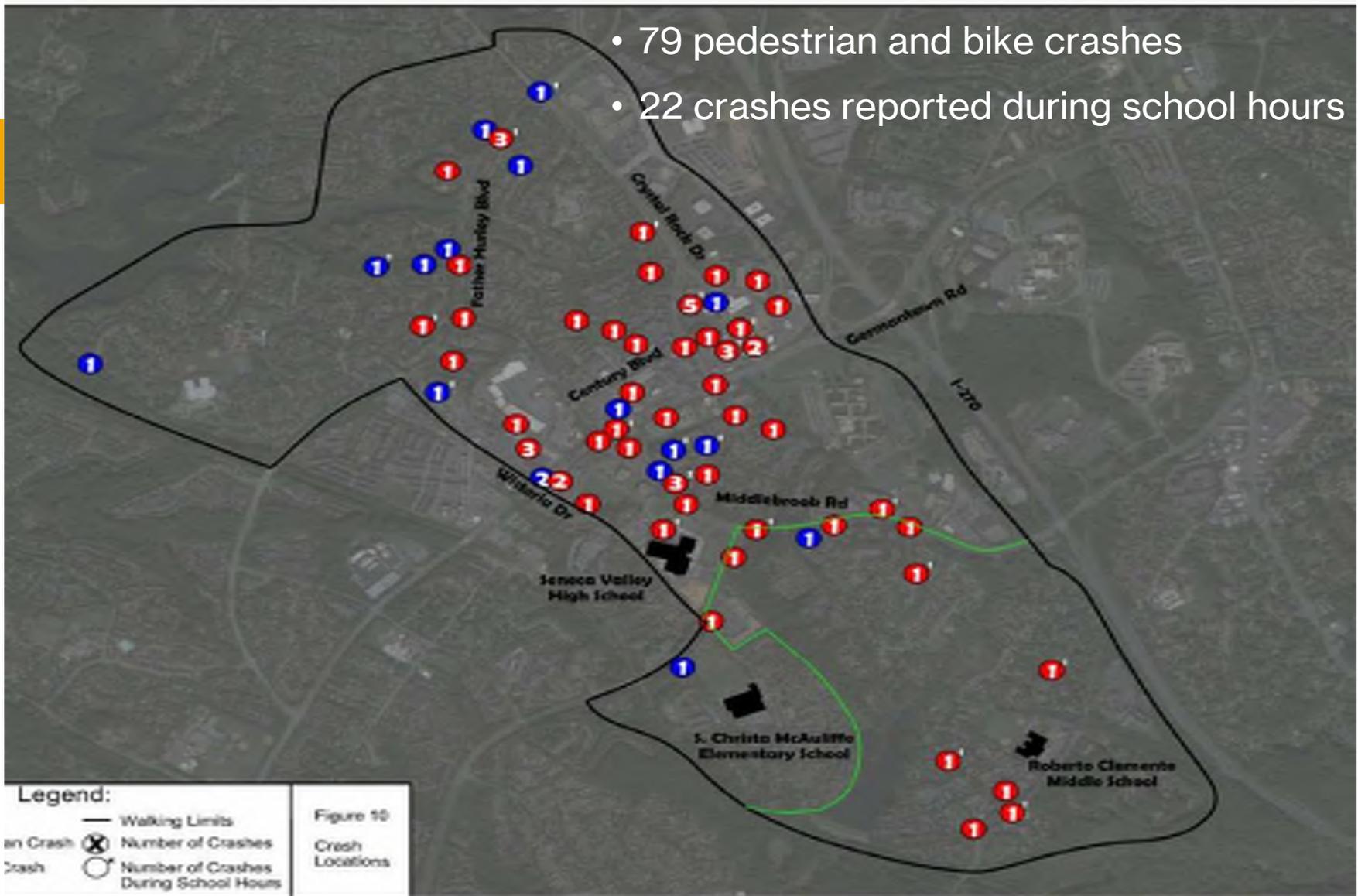
Observations	High School	Middle School	Elementary School
Students Walking to School During Arrival Period	393	102	50
Students Walking Away from School After Dismissal	687	168	111
Students Using Buses			72/119
Students Using Ride On Buses	46		-
Drop Off Vehicles	3	57	Multiple
Unsafe Driver Behavior	Y	Y	Y

Sidewalk Presence



Crash Data (From 2017-2021)

- 79 pedestrian and bike crashes
- 22 crashes reported during school hours



Long Term Improvement – Road Diet



Intermediate Term Improvement – Pavement Marking



Long Term Improvement – - Pavement Marking/Signage/PHB



Long Term Improvement – Road Diet



Thank you



Questions?

