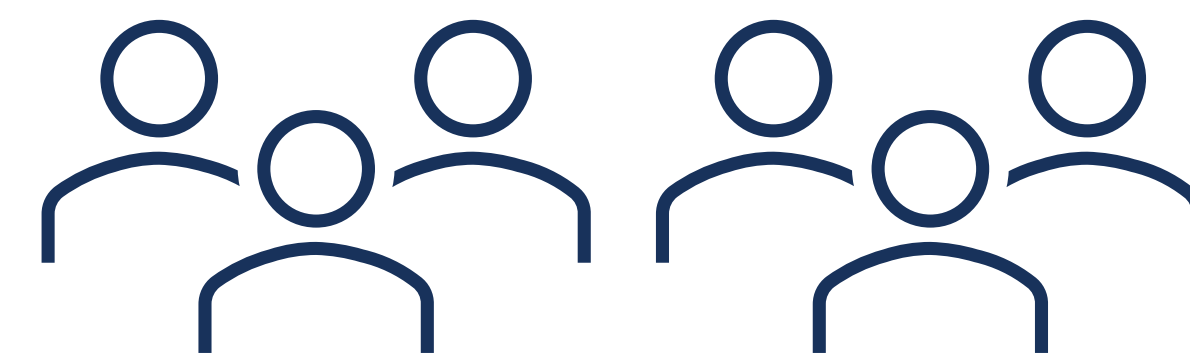


www.sandcreekcompletestreets.com

WELCOME

SAND CREEK ROAD COMPLETE STREETS STUDY

OPEN HOUSE PUBLIC INPUT SESSION #2

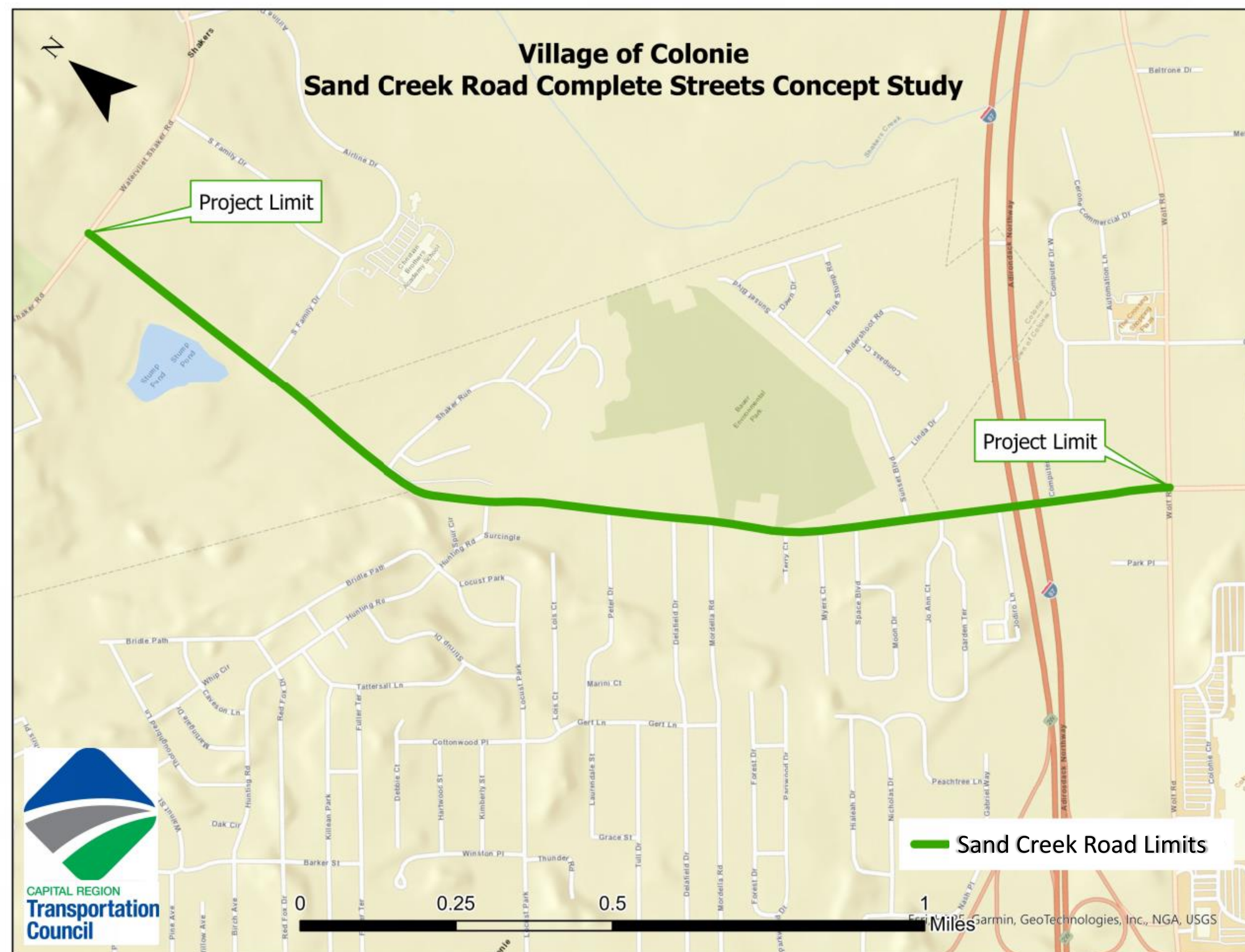


SAND CREEK ROAD

COMPLETE STREETS STUDY

SAND CREEK ROAD VISION

Located within the Village of Colonie, Sand Creek Road provides critical connections to key community destinations, commercial activity, employment centers, recreational areas, regional transportation hubs, and residential neighborhoods. Implementing complete streets concepts along Sand Creek Road will create a more accessible roadway that serves to enhance the vibrancy and livability of the area for residents and visitors of all abilities while also accommodating future growth in vehicular traffic and nearby development.



PURPOSE & NEED

Sand Creek Road is a critical transportation link in the Village and Town of Colonie that is lacking in pedestrian, bicycle, and transit facilities. Pedestrian accommodations are available on limited segments along the north side of the Sand Creek Road, and there is no dedicated bicycle infrastructure along the roadway. During the pandemic, there was an increase in bicycle and pedestrian traffic along the roadway, particularly due to increased use of recreational destinations like Bauer Park, and growth in nearby developments, including the Albany International Airport. Unfortunately, the lack of infrastructure for active transportation modes has created safety concerns for Village and Town residents. The study will develop a plan to implement a Complete Street that is safe and convenient for travel by all modes of transportation by promoting elements that can reduce vehicular speed and congestion, improve safety for bicyclists and pedestrians, and encourage economic growth in the study area.

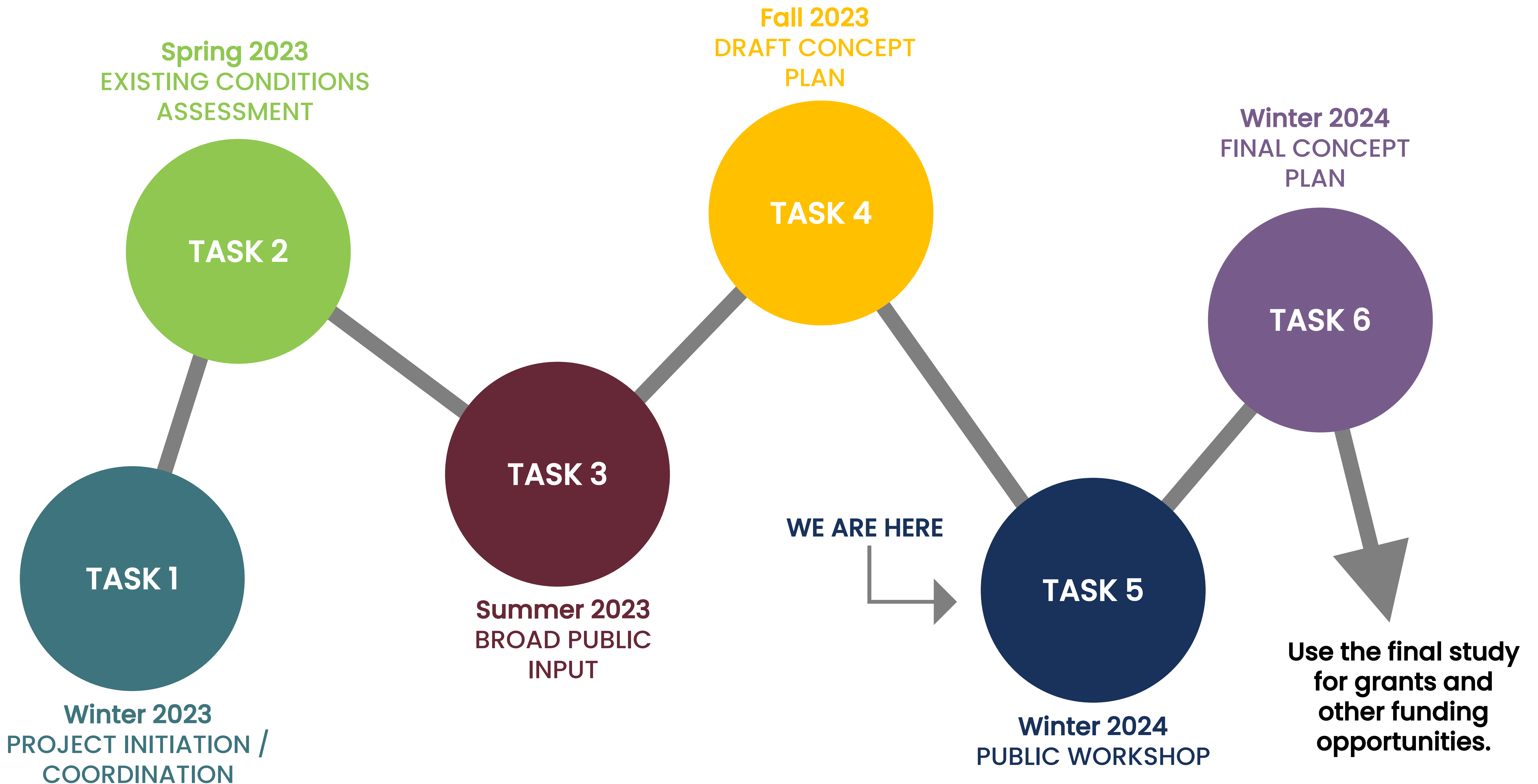
SAND CREEK ROAD

STUDY LIMITS



SAND CREEK ROAD

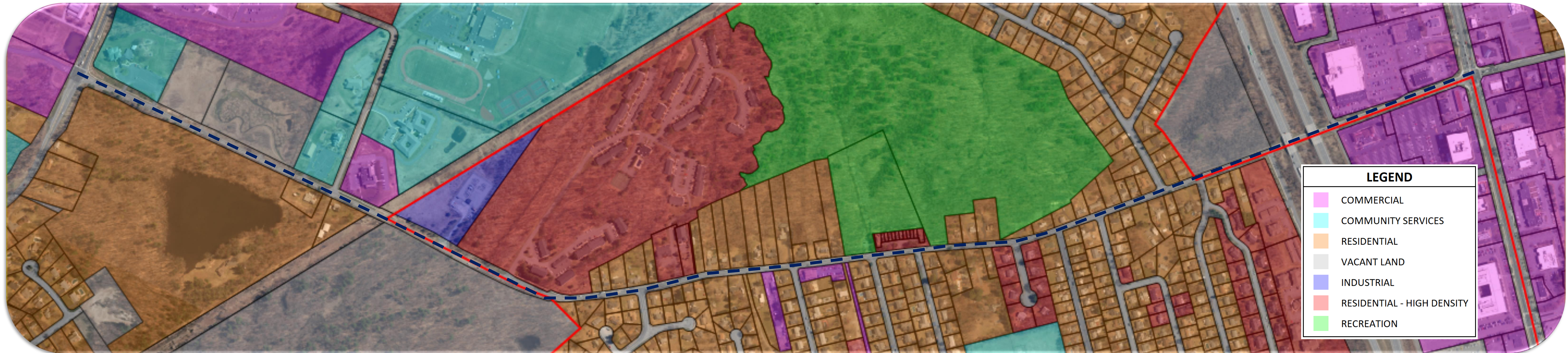
KEY PROJECT MILESTONES



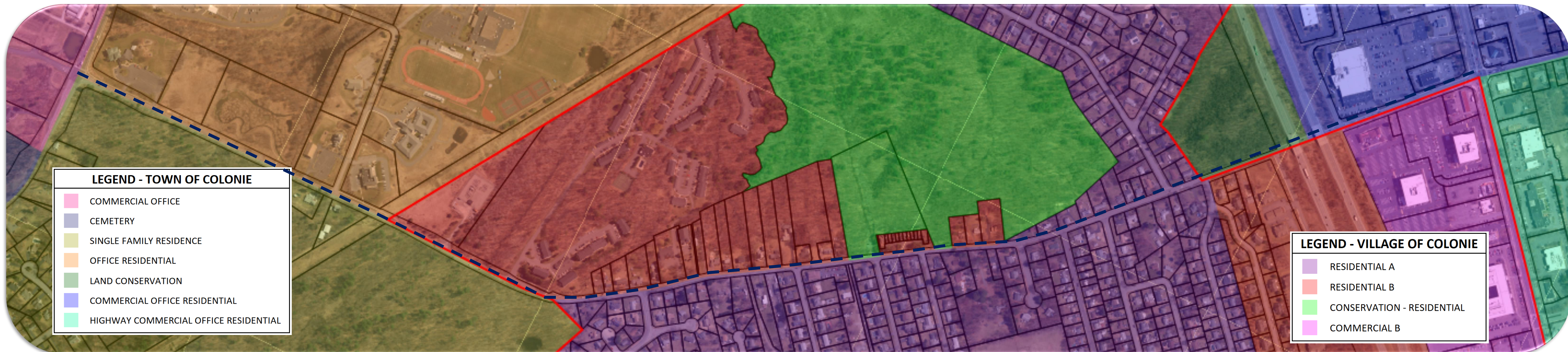
SAND CREEK ROAD

EXISTING CONDITIONS: LAND USE AND ZONING

LAND USE

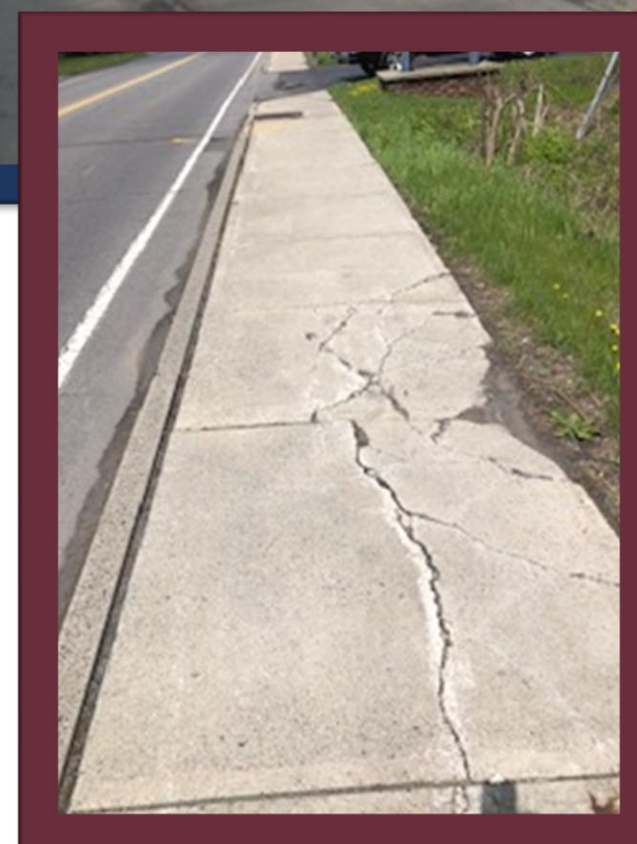


EXISTING ZONING



SAND CREEK ROAD

EXISTING CONDITIONS: PEDESTRIAN FACILITIES



SAND CREEK ROAD

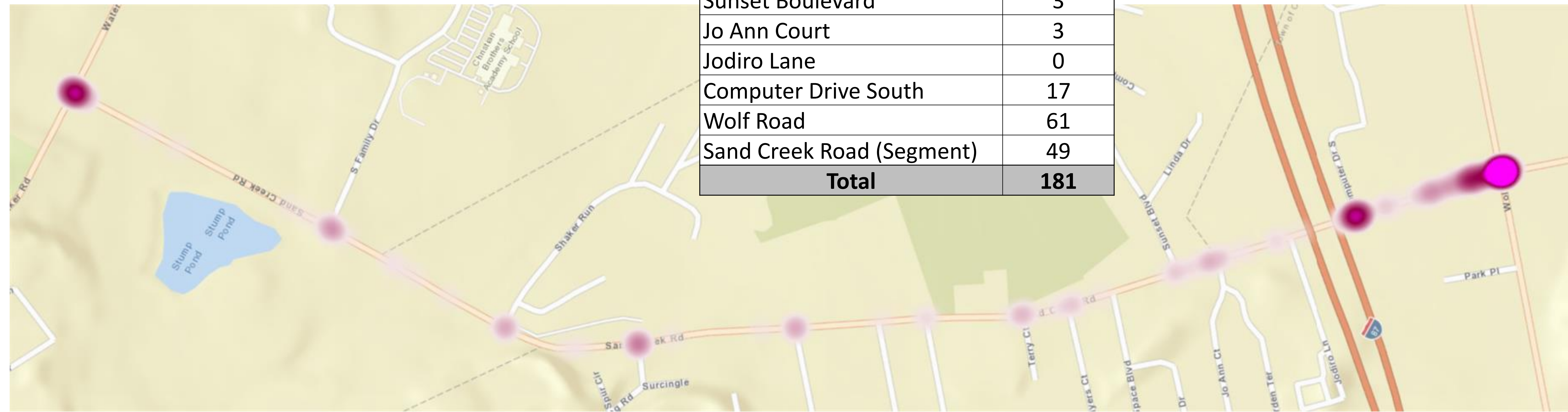
EXISTING CONDITIONS: CRASH HISTORY

The most recent five (5) years of available data was reviewed, from August 1, 2017 to July 31, 2022.

During this five-year period, 181 crashes were recorded. 132 of these crashes occurred at an intersection along the roadway.

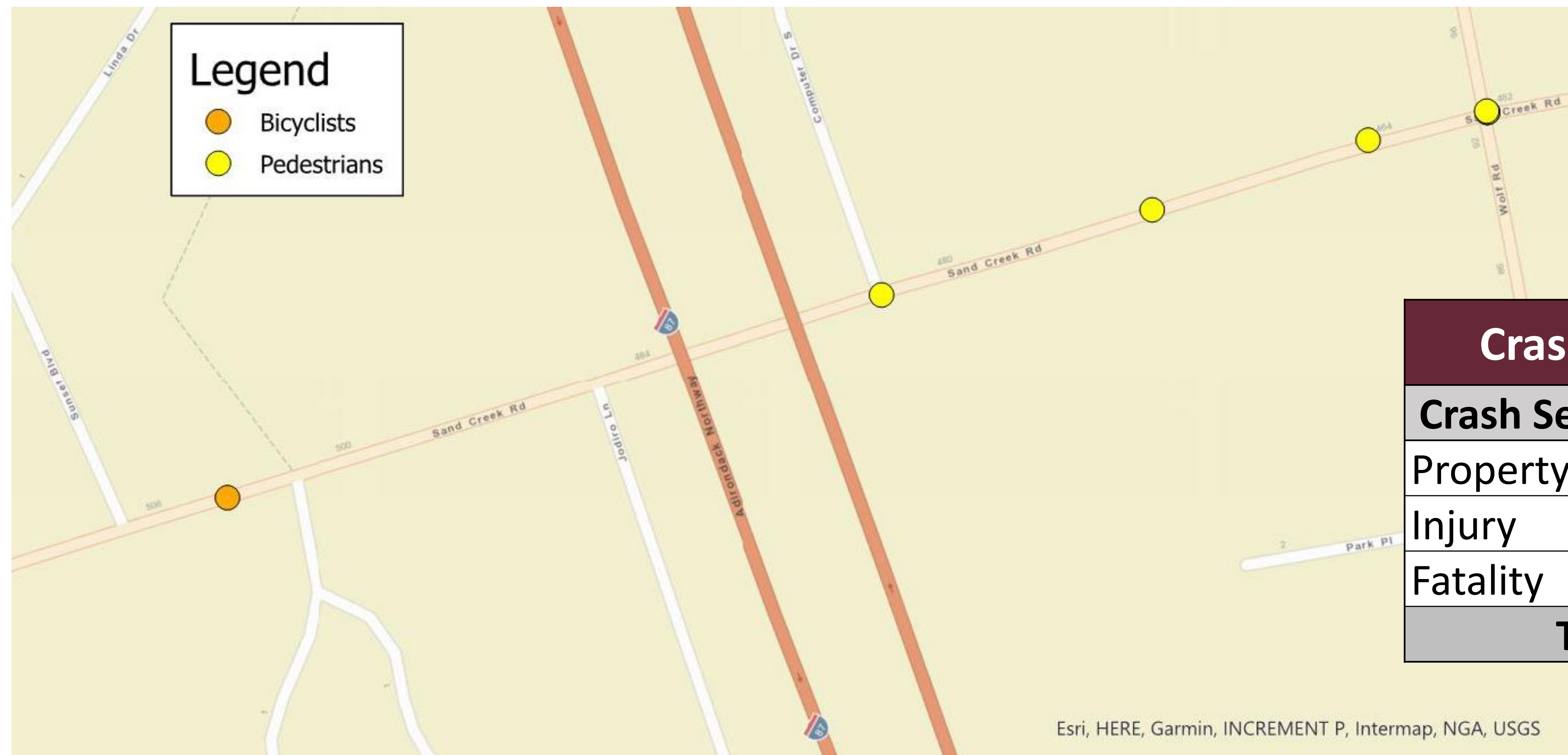
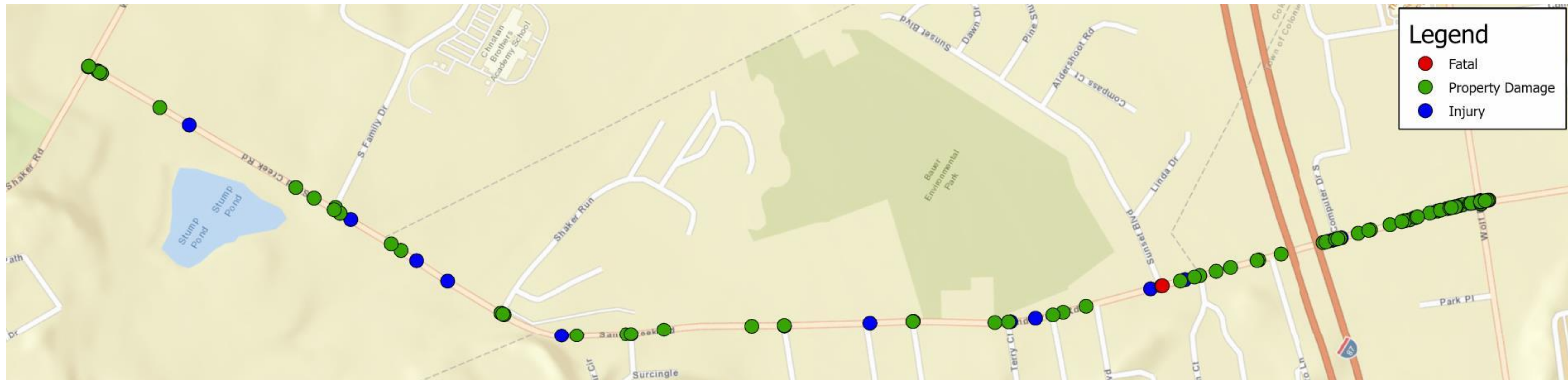
Collision Location	
Intersecting Roadway	Quantity
Watervliet Shaker Road	18
South Family Drive	5
Shaker Run	4
Hunting Road	6
Peter Drive	4
Delafield Drive	1
Mordella Road	2
Terry Court	4
Myers Court	3
Space Boulevard	1
Sunset Boulevard	3
Jo Ann Court	3
Jodiro Lane	0
Computer Drive South	17
Wolf Road	61
Sand Creek Road (Segment)	49
Total	181

Collision Type Summary	
Collision Category Type	Quantity
Head On	1
Left Turn (Against Other Car)	14
Overtaking	8
Rear End	75
Right Angle	27
Right Turn	5
Sideswipe	6
Unknown	3
Other	42
Total	181



SAND CREEK ROAD

EXISTING CONDITIONS: CRASH HISTORY



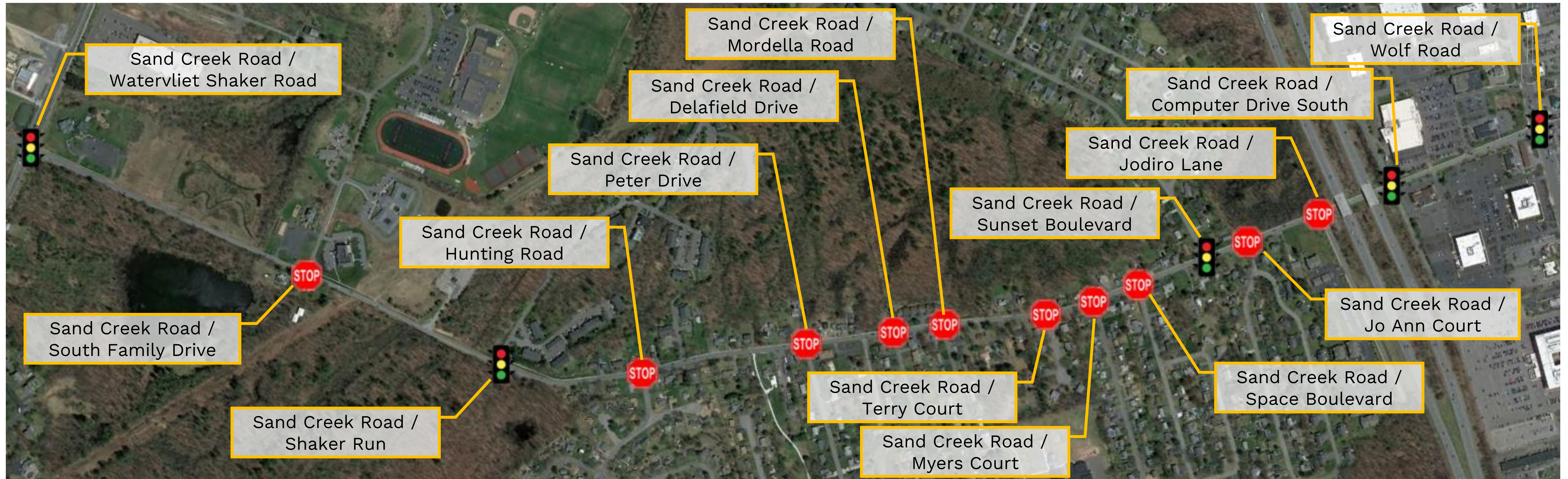
Crash Severity Summary	
Crash Severity Type	Quantity
Property Damage	134
Injury	46
Fatality	1
Total	181

Collision Type Summary	
Collision Type	Quantity
Collision with Animal	7
Collision with Bicyclist	1
Collision with Motor Vehicle	146
Collision with Pedestrian	7
Collision with Fixed Object	16
Overtaken	2
Left Roadway Only	2
Total	181

Esri, HERE, Garmin, INCREMENT P, Intermap, NGA, USGS

SAND CREEK ROAD

EXISTING CONDITIONS: INTERSECTIONS



Signals Owned & Operated by the NYSDOT

Sand Creek Road & Watervliet Shaker Road

Sand Creek Road & Wolf Road

Signals Owned & Operated by the Village of Colonie

Sand Creek Road & Shaker Run

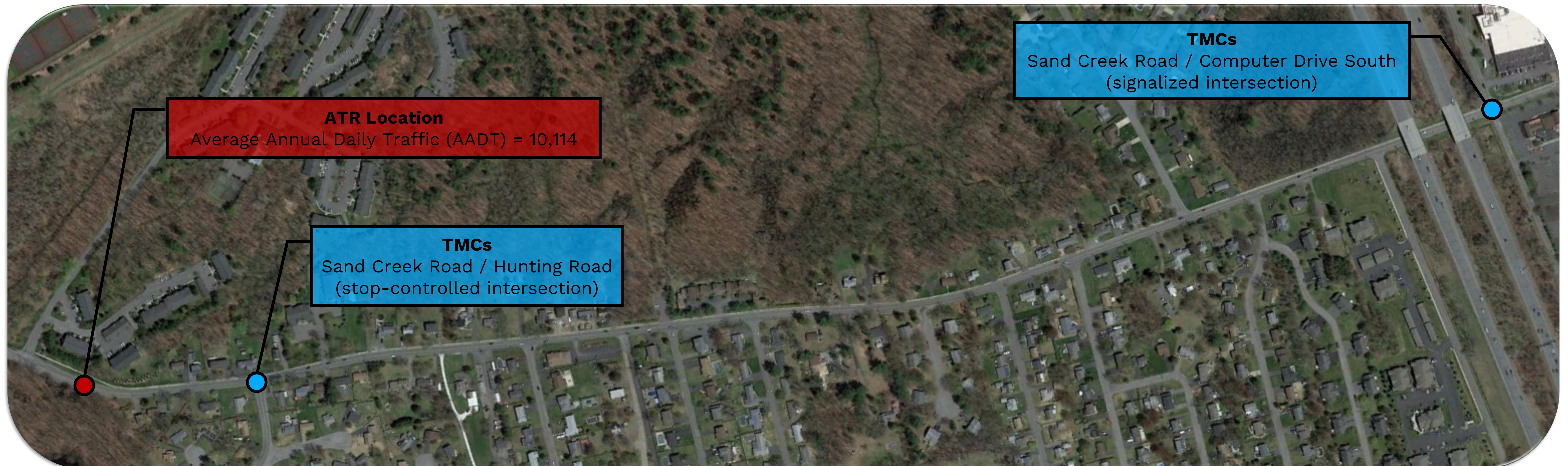
Sand Creek Road & Sunset Boulevard

Signals Owned & Operated by the Town of Colonie

Sand Creek Road & Computer Drive South

SAND CREEK ROAD

EXISTING CONDITIONS: TRAFFIC DATA COLLECTION



The **Automatic Traffic Recorder (ATR)** Data was collected over a 72-hour period from Tuesday, February 14th to Thursday, February 16th.

The **Turning Movement Counts (TMCs)** were performed during the morning and afternoon peak traffic times, 8 – 10 am & 5 – 7 pm, on Tuesday, March 7th.

TMCs are used to determine intersection Level of Service (LOS). The LOS defines how well traffic flows through an intersection based on a letter grading system.

A = Excellent

B = Great

C = Good

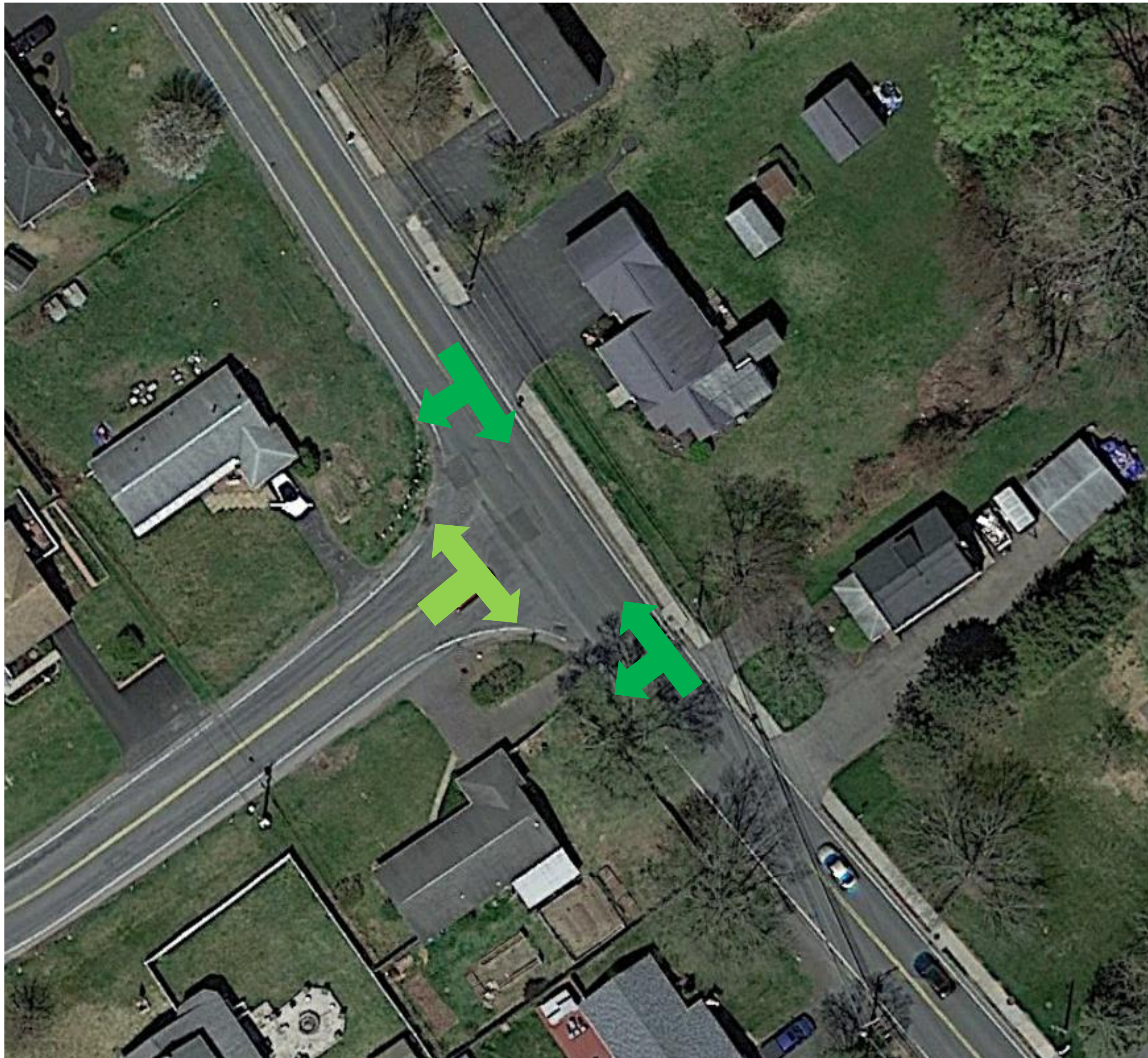
D = Acceptable

E = Poor

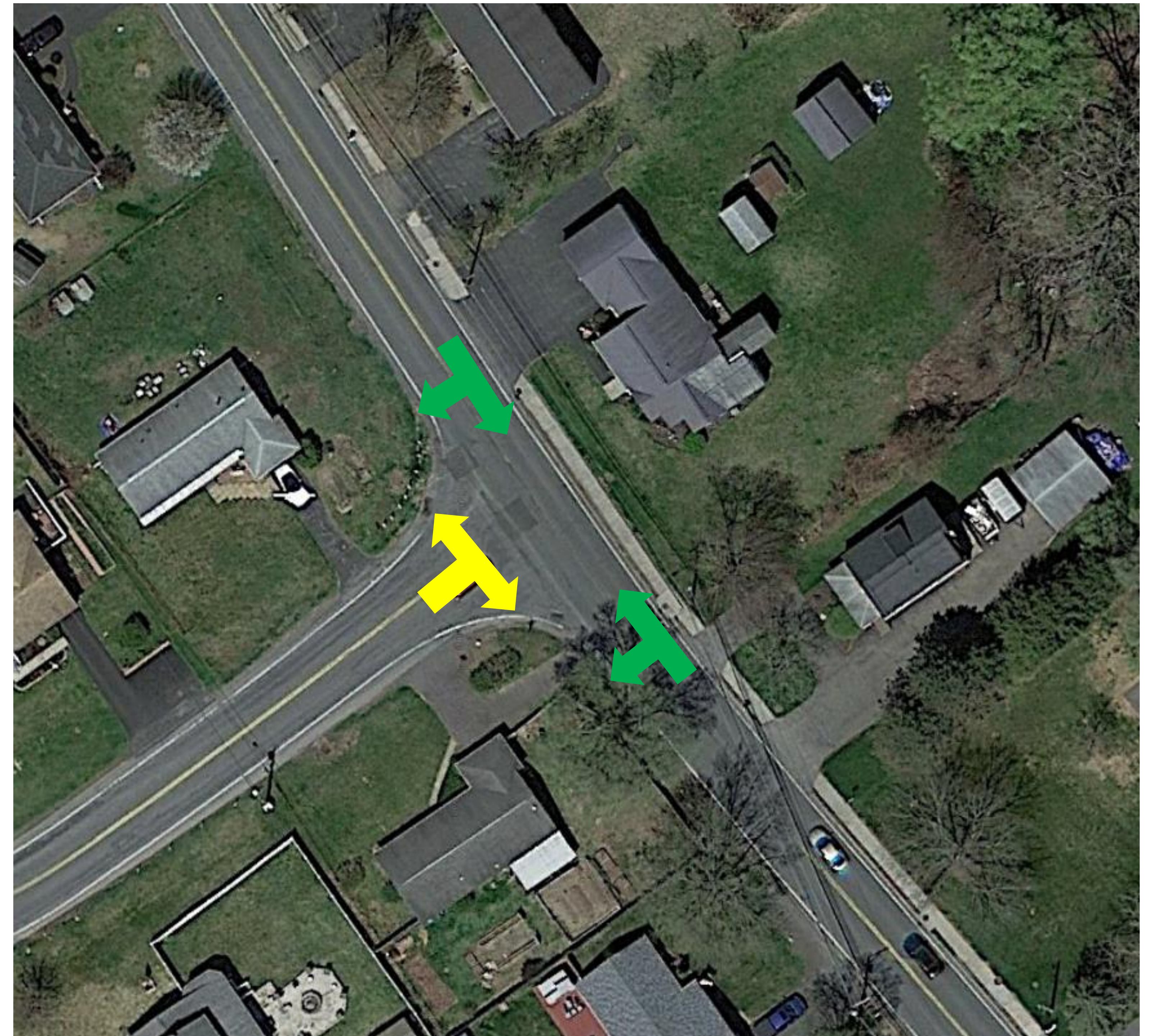
F = Failing

SAND CREEK ROAD

EXISTING CONDITIONS: TRAFFIC DATA ANALYSIS



AM Peak



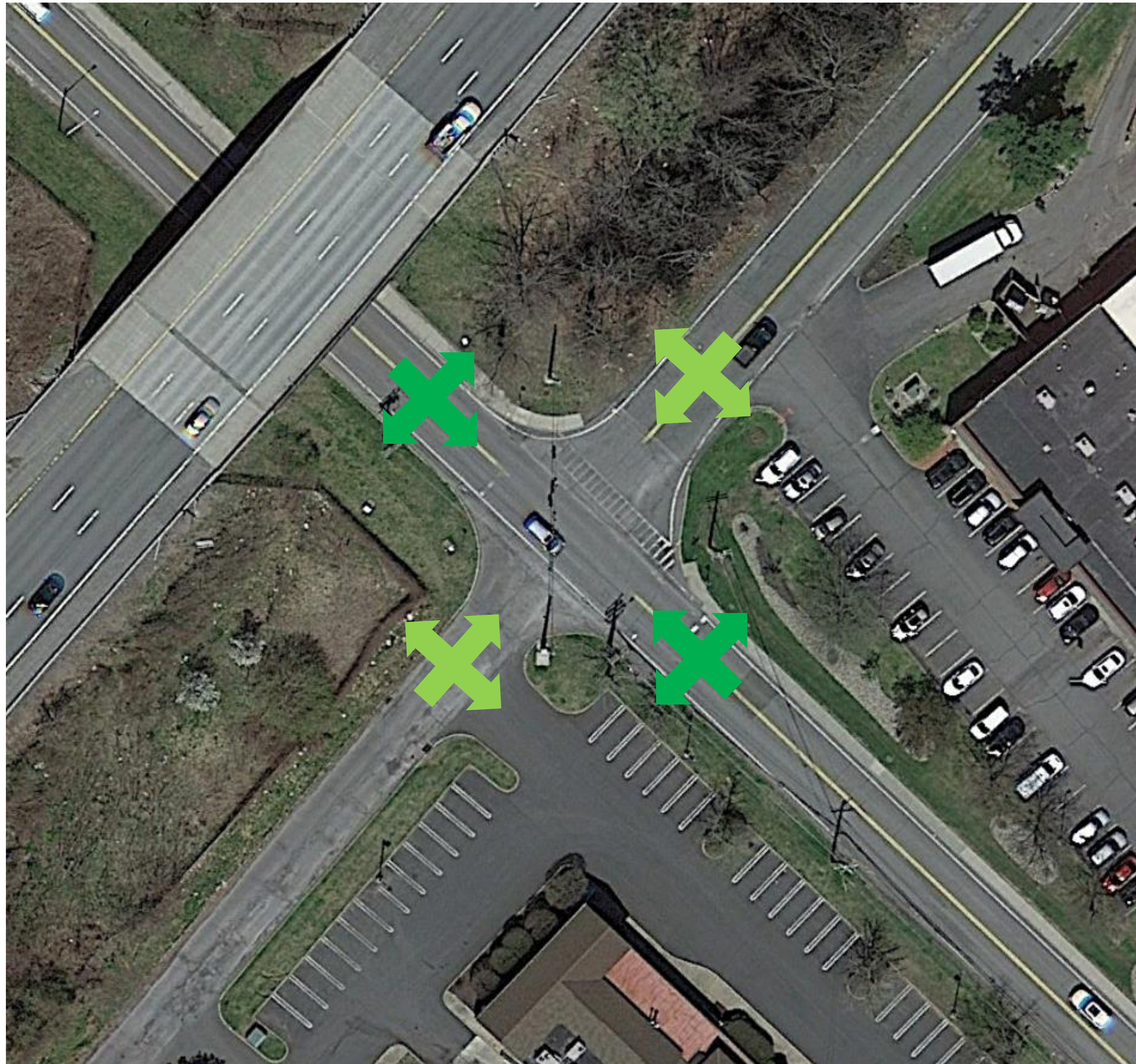
PM Peak

- A = Excellent
- B = Great
- C = Good
- D = Acceptable
- E = Poor
- F = Failing

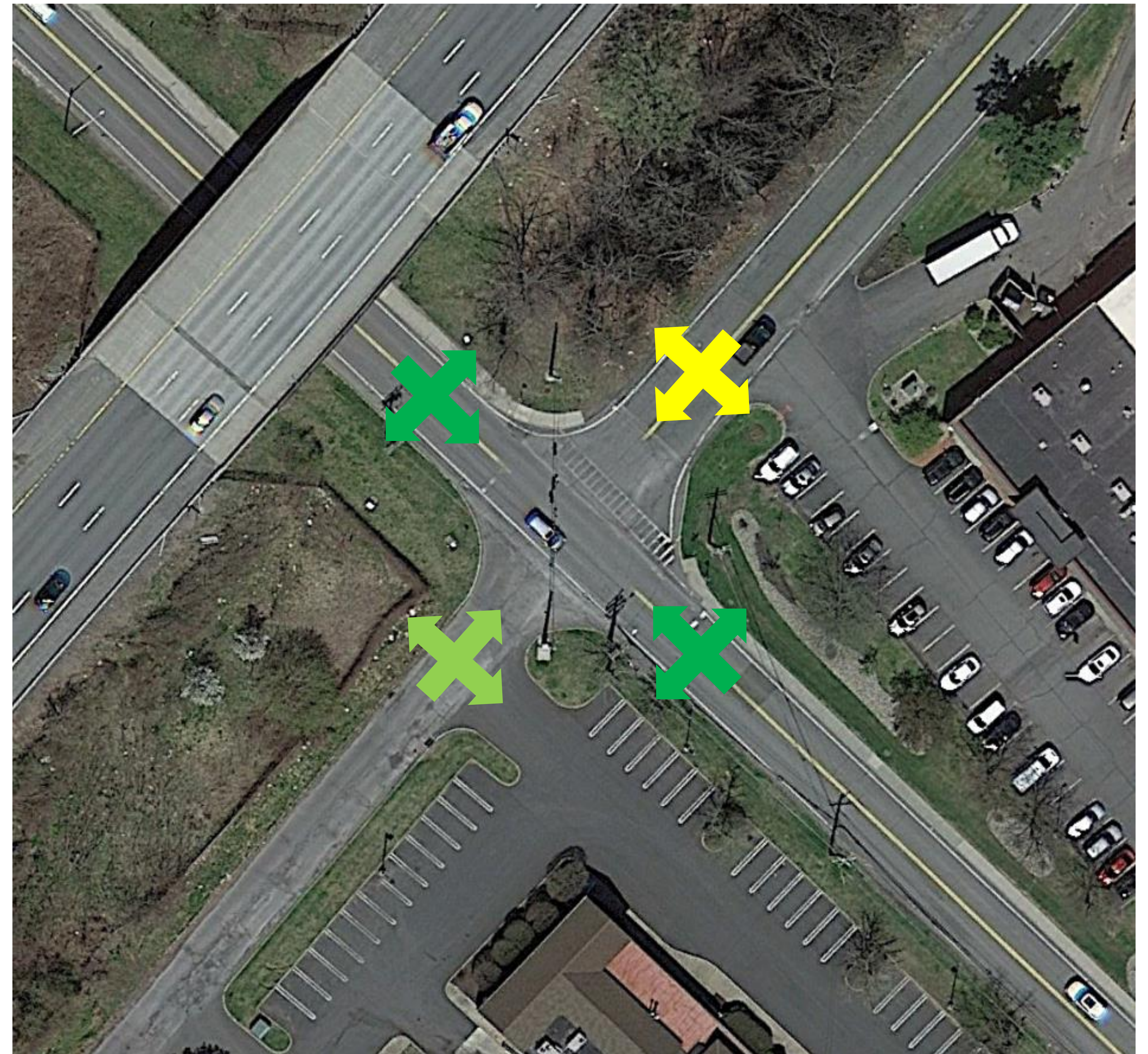
Sand Creek Road & Hunting Road LOS

SAND CREEK ROAD

EXISTING CONDITIONS: TRAFFIC DATA ANALYSIS



AM Peak



PM Peak

- A = Excellent
- B = Great
- C = Good
- D = Acceptable
- E = Poor
- F = Failing

Sand Creek Road & Computer Drive South LOS

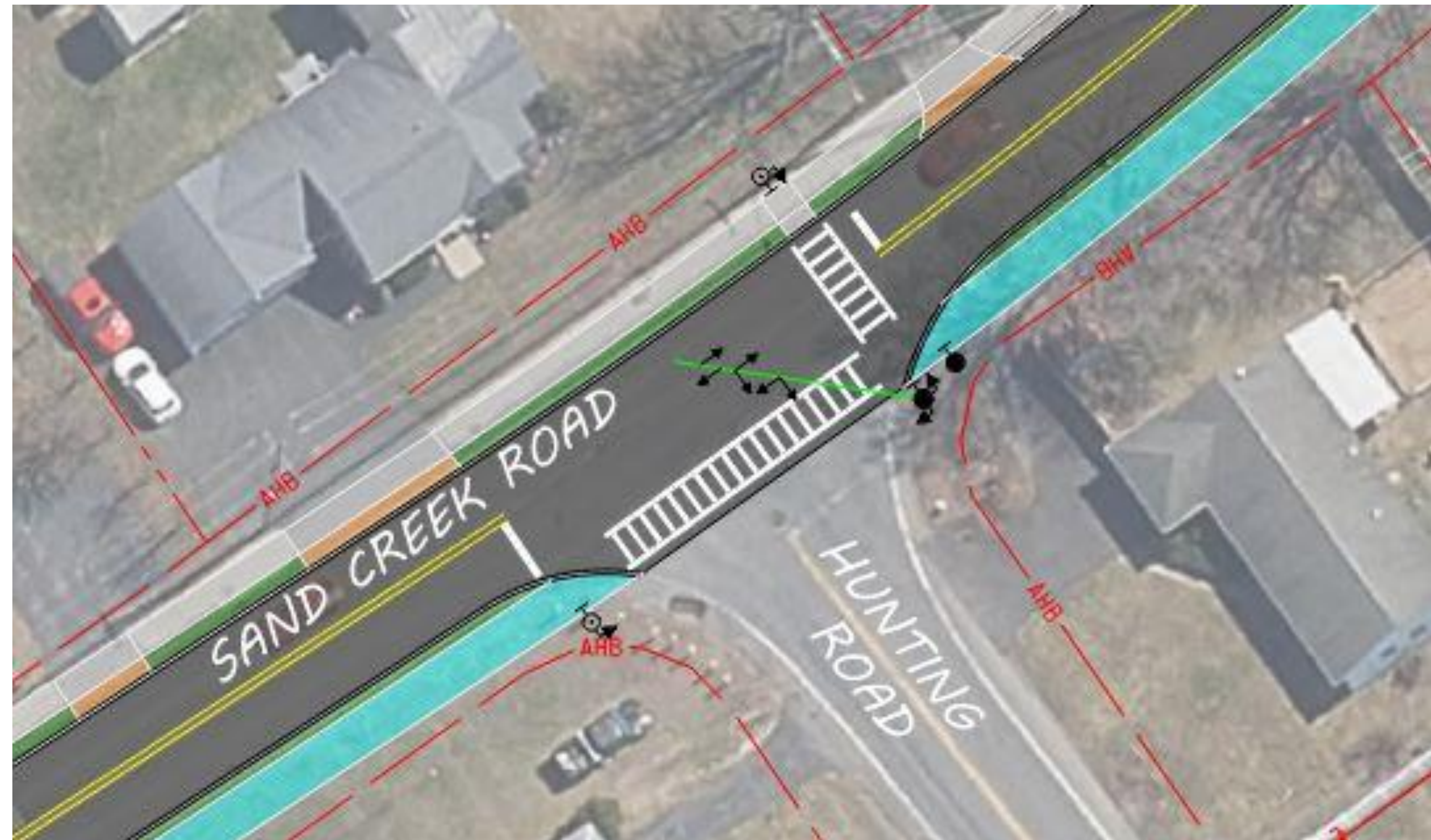
SAND CREEK ROAD

KEY ISSUES & RECOMMENDATIONS

Issue: Left turns onto and off Sand Creek Road at Hunting Road are difficult.

Recommendation: Further analysis of the traffic model is needed in design to provide a recommendation.

While not recommended at this time, the Village may elect to install a traffic signal utilizing their own funds.

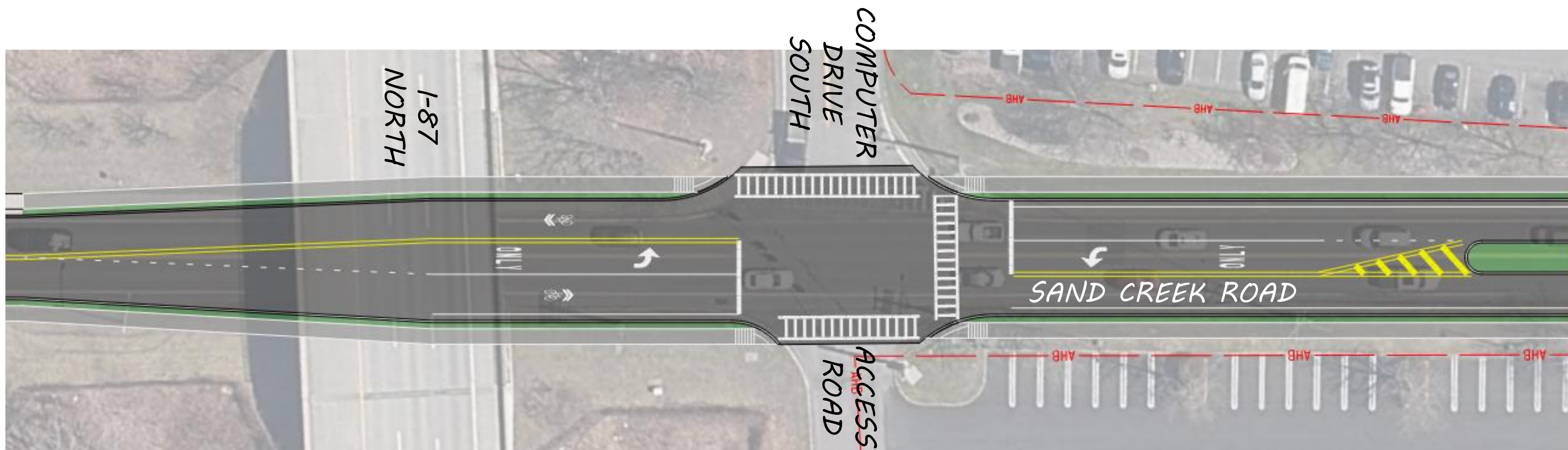


SAND CREEK ROAD

KEY ISSUES & RECOMMENDATIONS

Issue: Left turns onto and off Sand Creek Road at Computer Drive South are difficult.

Recommendation: To mitigate this issue, a dedicated left-turn lane is recommended along Sand Creek Road. The proposed left-turn lane will reduce the delay for vehicles turning left off Sand Creek Road, allowing for a smoother transition through this heavily travelled section of the road.

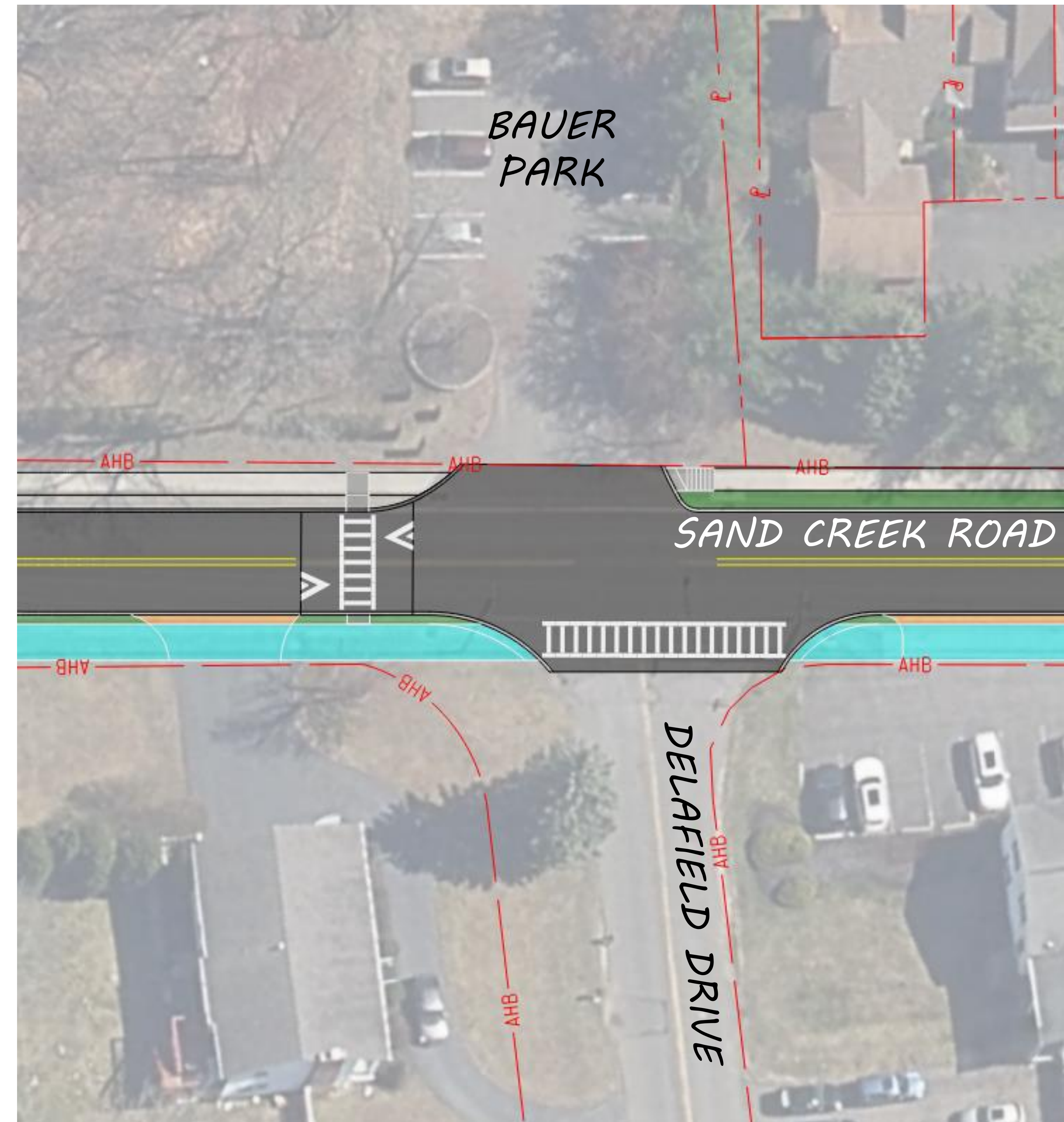


SAND CREEK ROAD

KEY ISSUES & RECOMMENDATIONS

Issue: Tiny Town stated that parents often cross Sand Creek Road to access Bauer Park.

Recommendation: To address this safety concern, a signed, high-visibility raised crosswalk is recommended at the intersection of Sand Creek Road and Delafield Drive. The proposed crosswalk will provide a safe crossing for pedestrians that want to access Bauer Park.

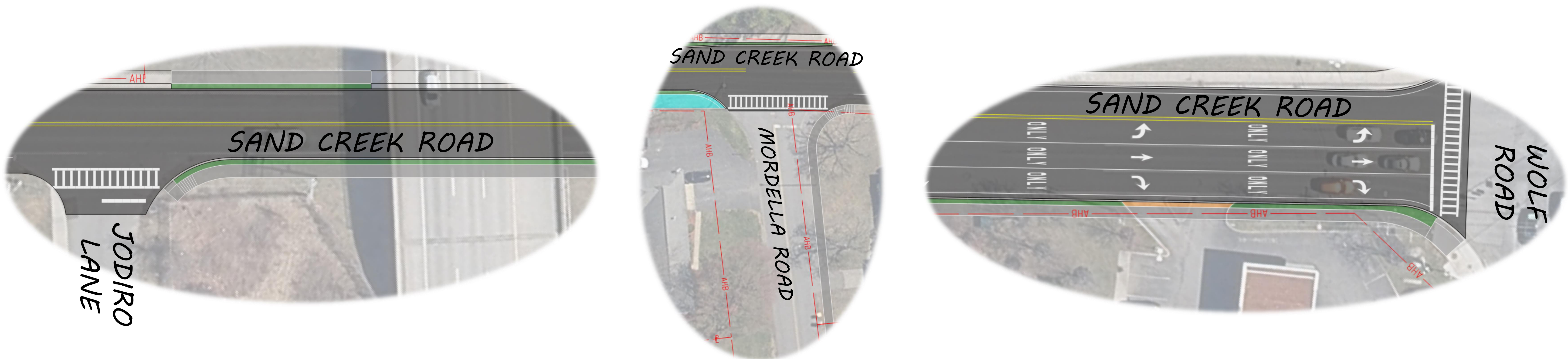


SAND CREEK ROAD

KEY ISSUES & RECOMMENDATIONS

Issue: Sidewalks gaps exist along many segments of Sand Creek Road.

Recommendation: Sidewalks are recommended along the east side of Sand Creek Road to connect the existing missing links between sidewalks, as well as to Forest Park Elementary and the west side of Sand Creek Road from Jodiro Road to Wolf Road. Additionally, a multi-use path is recommended along the west side of Sand Creek Road from Watervliet Shaker Road to Mordella Road, allowing for safer pedestrian and bicycle access along Sand Creek Road.



SAND CREEK ROAD

KEY ISSUES & RECOMMENDATIONS

Issue: Unrestricted truck traffic was a common concern amongst residents.

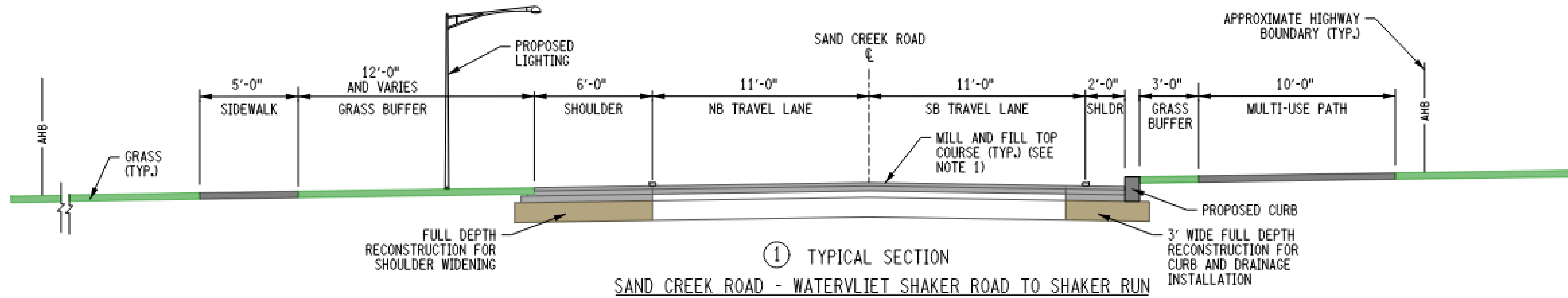
Recommendation: To mitigate this issue, it is recommended that requests be submitted directly to the makers of GPS devices, applications and online maps to clearly label the restricted route for overweight vehicles. Also, the advanced warning sign on the northern end of the study limits should be moved to a location closer to the intersection with Watervliet Shaker Road to increase visibility for overweight trucks attempting to turn onto Sand Creek Road.

Issue: The enforcement of speed is a concern for the Village and residents along Sand Creek Road.

Recommendation: To mitigate this issue, the installation of radar speed feedback signage is recommended along the road to deter speeding. Increased police presence along the roadway is also recommended to increase motorist awareness that their speed is being monitored. Additionally, the installation of street trees would visually narrow the roadway and deter speeding.

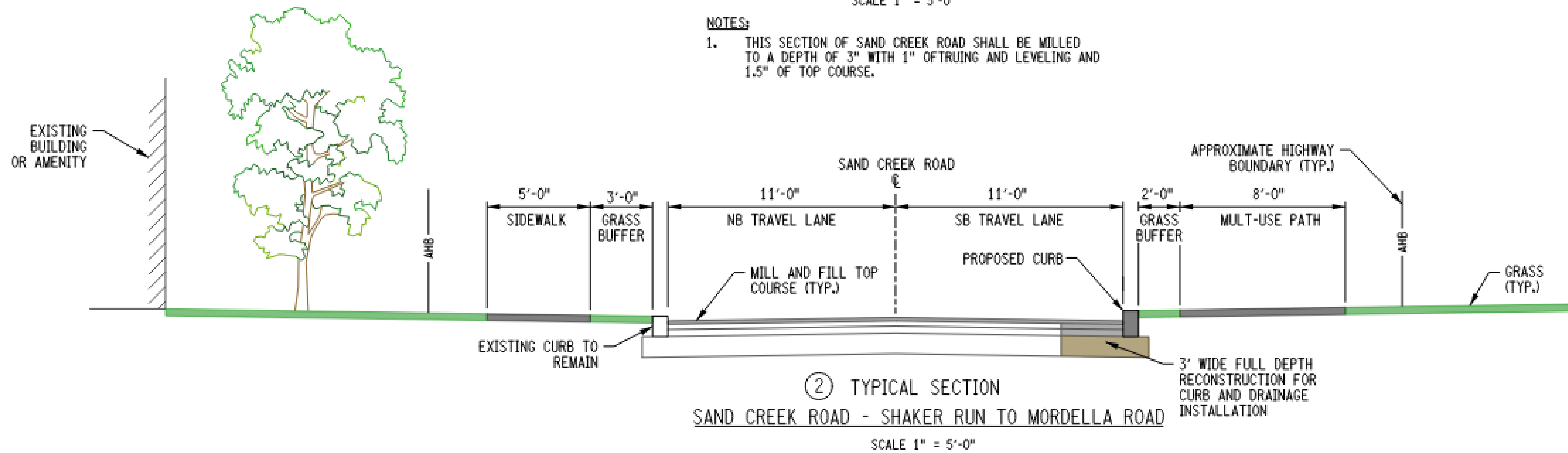
SAND CREEK ROAD

ROADWAY TYPICAL SECTIONS



NOTES:

1. THIS SECTION OF SAND CREEK ROAD SHALL BE MILLED TO A DEPTH OF 3" WITH 1" OF TRUING AND LEVELING AND 1.5" OF TOP COURSE.



SAND CREEK ROAD

ROADWAY TYPICAL SECTIONS

