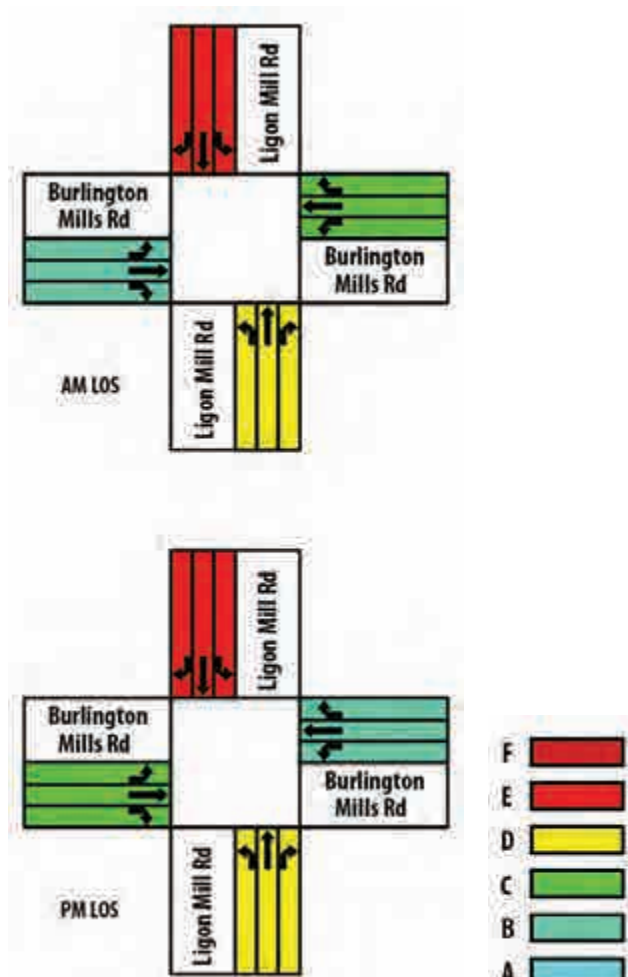




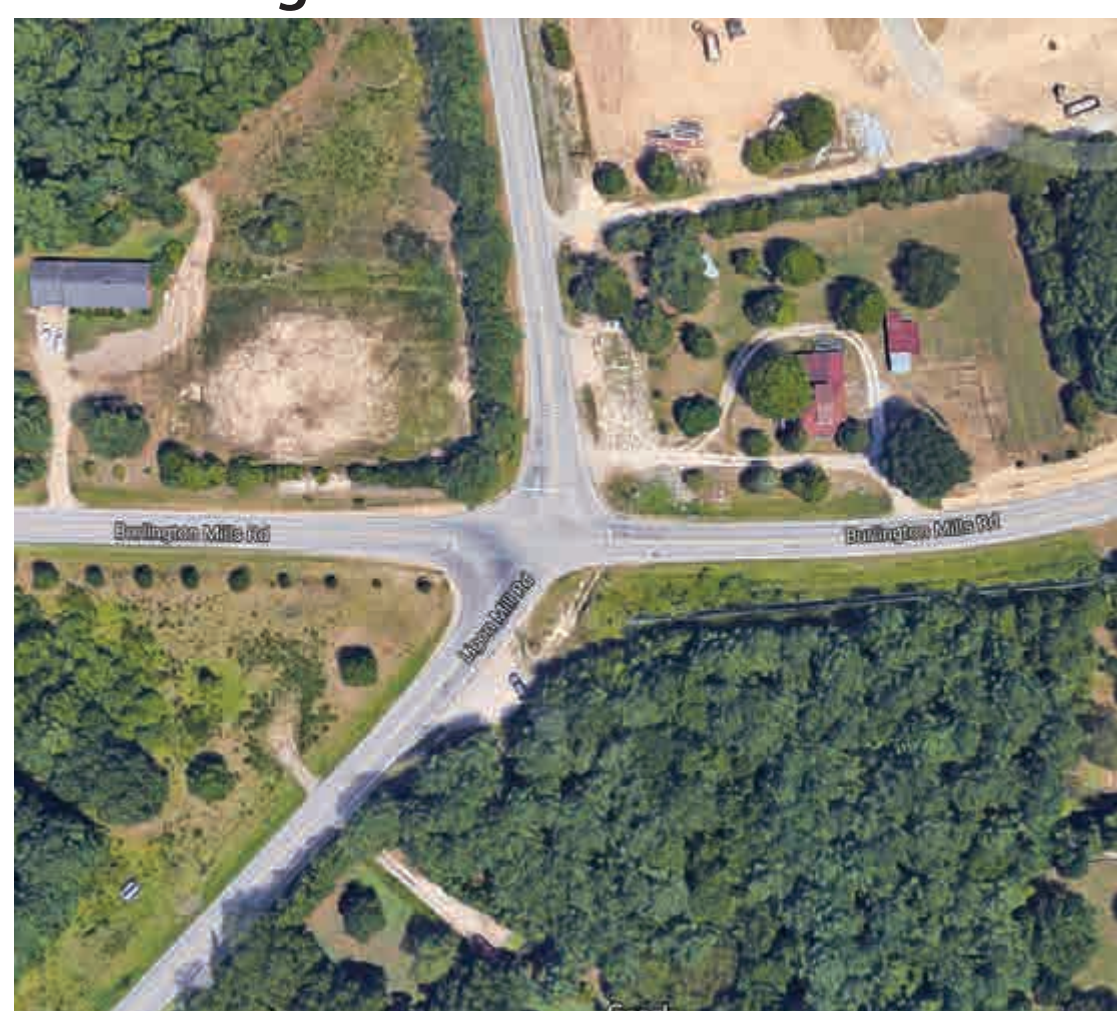
# Hotspot Intersections | Existing Conditions and Recommendations

## Burlington Mills Rd at Ligon Mill Rd

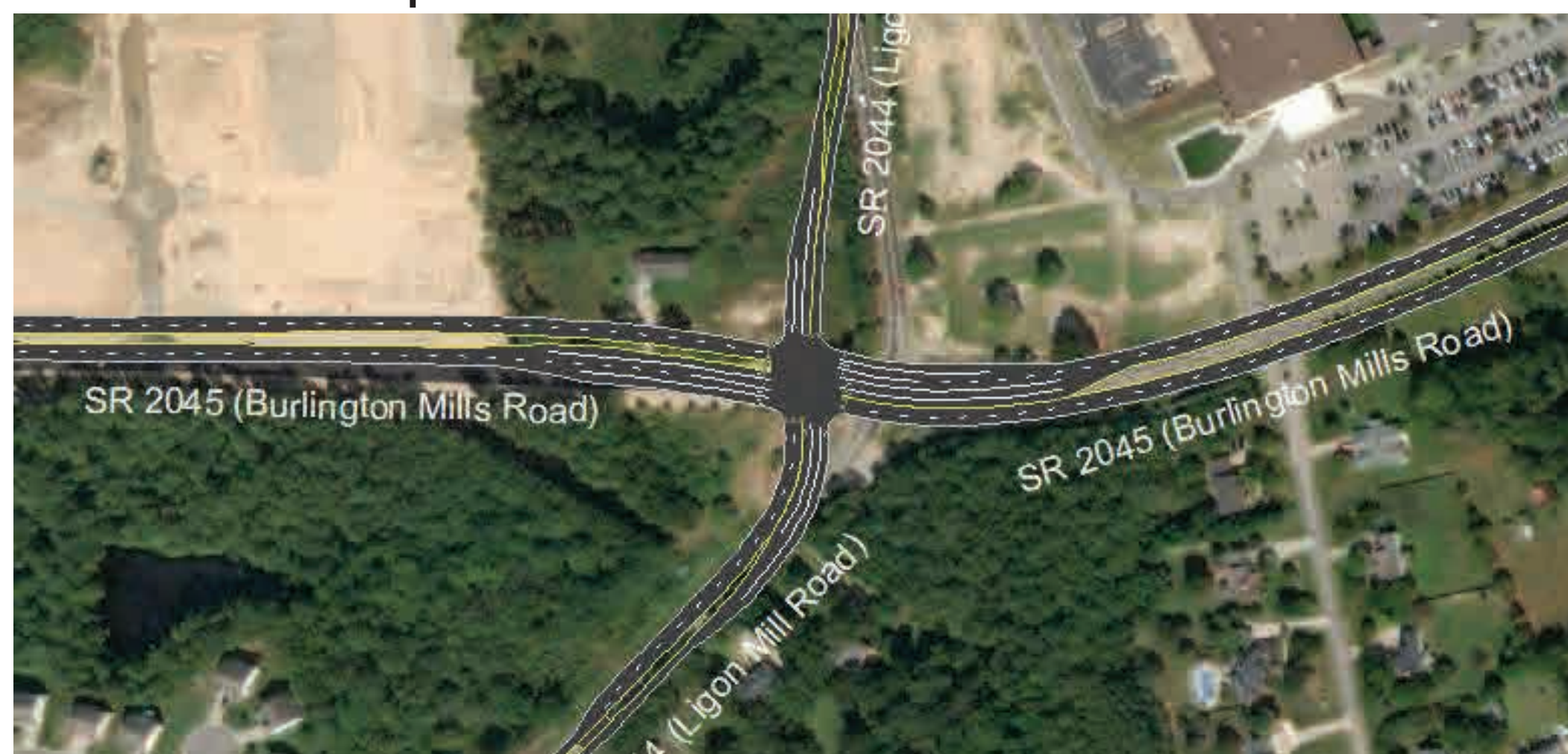
### Existing Level of Service



### Existing Conditions



### Recommended Improvements



### Recommendations

#### 2019 Short Term Improvements

- Widen the southbound Ligon Mill Road approach with an exclusive left-turn lane and provide the left-turn lane with at least 120 feet of storage and an appropriate taper.

#### 2045 Long Term Improvements

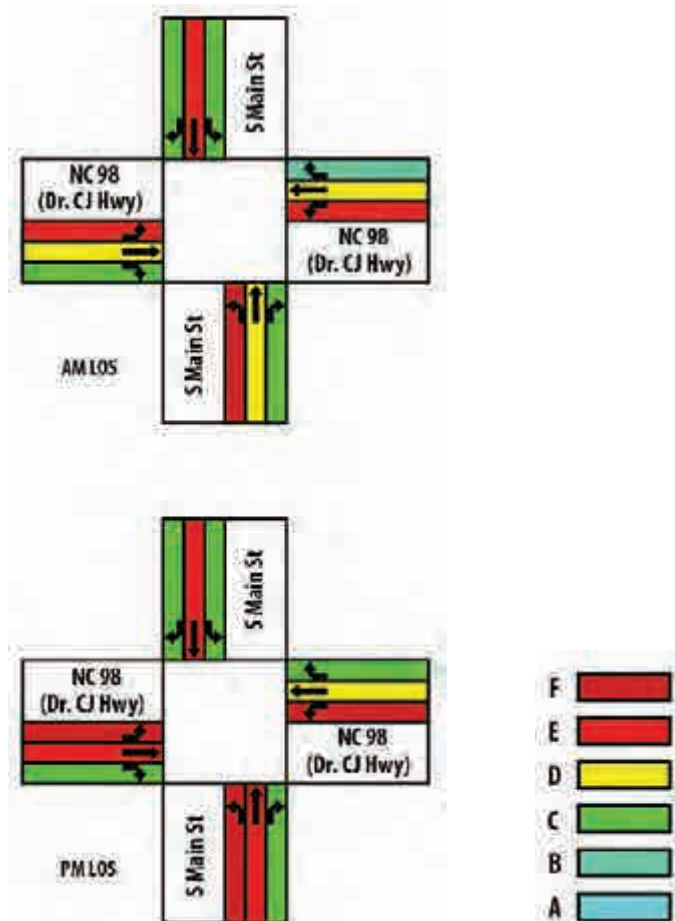
- Relain the intersection to improve the line of sight for turning vehicles.
- Construct the eastbound Burlington Mills Road approach with an exclusive left-turn lane, an additional through lane, and an exclusive right-turn lane. Provide the left-turn lane with at least 300 feet of storage and an appropriate taper. Provide the right-turn lane with 250 feet of storage and an appropriate taper.

#### 2045 Long Term Improvements (contd.)

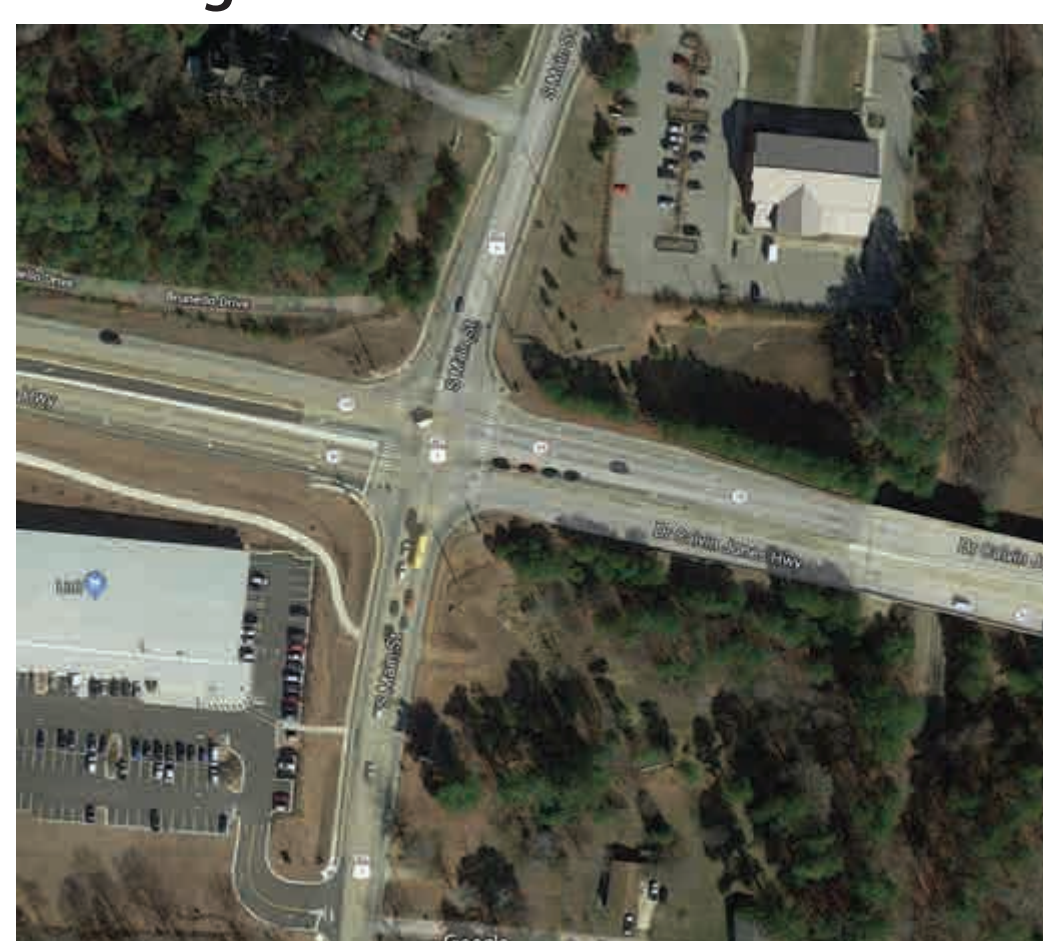
- Construct the westbound Burlington Mills Road approach with dual exclusive left-turn lanes, an additional through lane, and an exclusive right-turn lane. Provide the dual left-turn lanes with at least 300 feet of storage and an appropriate taper. Provide the right-turn lane with at least 200 feet of storage and an appropriate taper.
- Construct the southbound Ligon Mill Road approach with an extended left-turn lane and an exclusive right-turn lane. Provide the left-turn lane with at least 200 feet of storage and an appropriate taper. Provide the right-turn lane with at least 100 feet of storage and an appropriate taper.
- Construct the northbound Ligon Mill Road approach with an exclusive left-turn lane and an exclusive right-turn lane. Provide the left-turn lane with at least 150 feet of storage and an appropriate taper. Provide the right-turn lane with at least 250 feet of storage and an appropriate taper.

## S Main St at NC98 Bypass (Dr Calvin Jones Hwy)

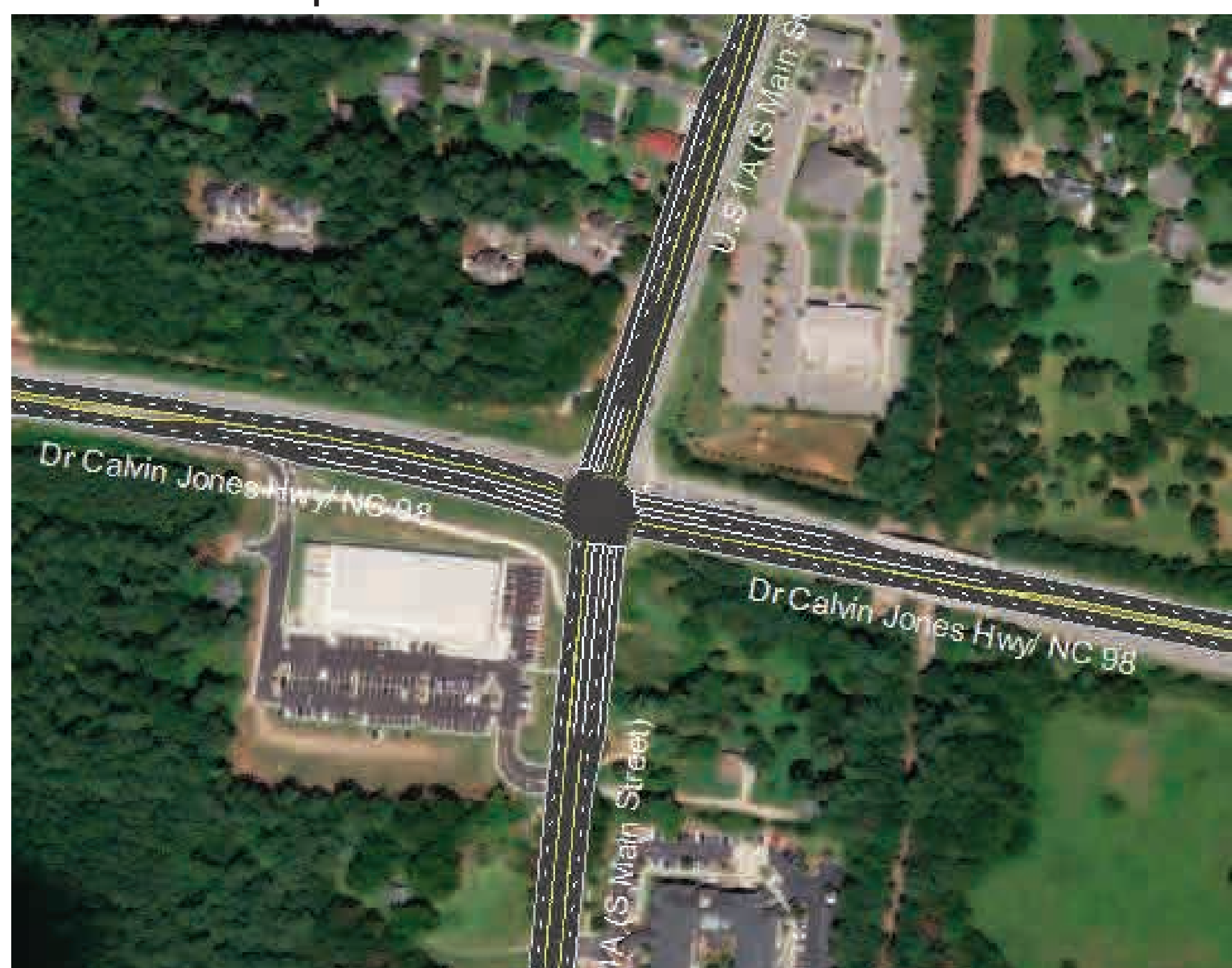
### Existing Level of Service



### Existing Conditions



### Recommended Improvements



### Recommendations

#### 2019 Short Term Improvements

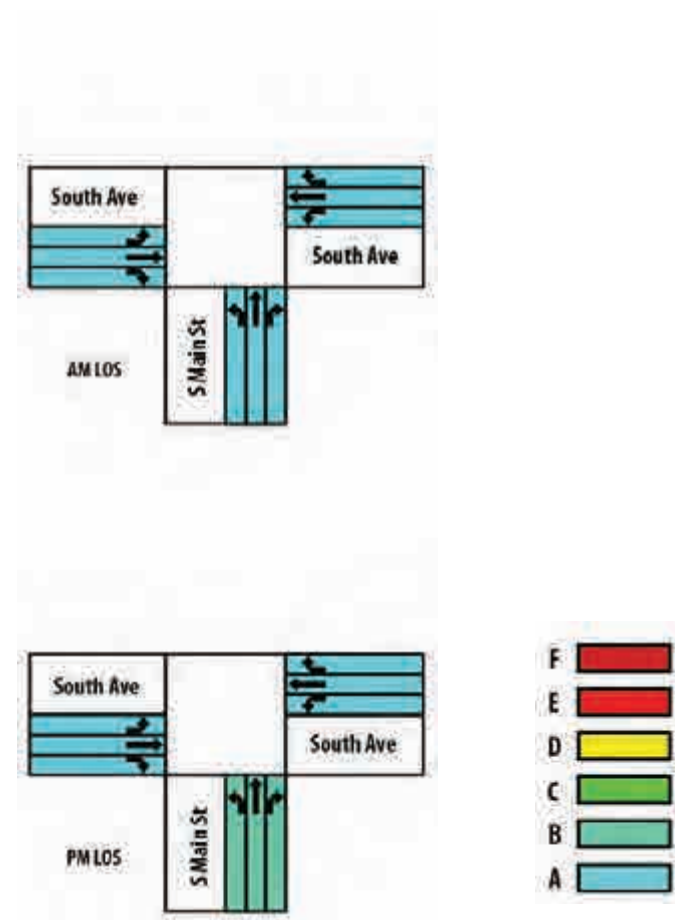
- Widen the northbound S Main Street approach with an additional exclusive left-turn lane and an additional through lane. Provide the left-turn lane with at least 300 feet of storage and an appropriate taper.
- Widen the southbound S Main Street approach with an additional through lane. Provide the existing right-turn lane with at least 75 feet of additional storage and an appropriate taper.

#### 2045 Long Term Improvements

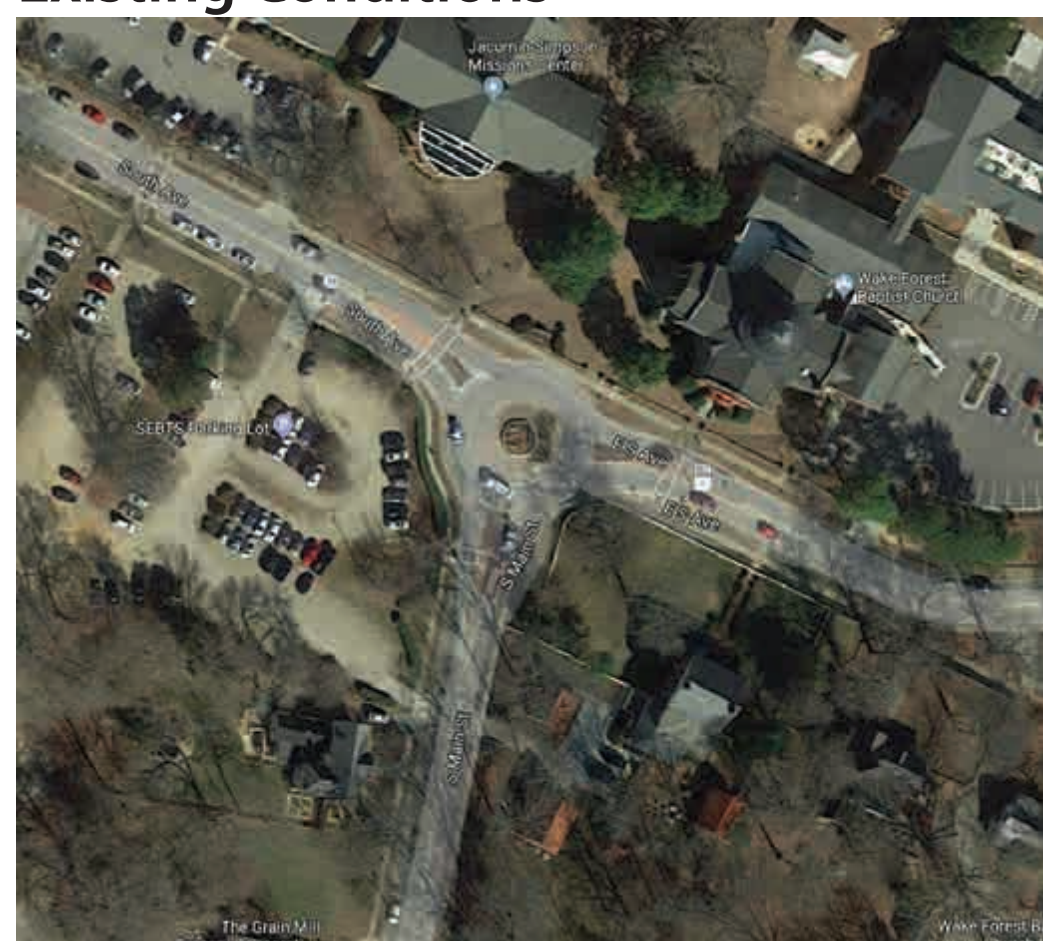
- Based on NC-98 Corridor Study, NC-98 is planned to be converted to a superstreet.

## S Main St at South Ave

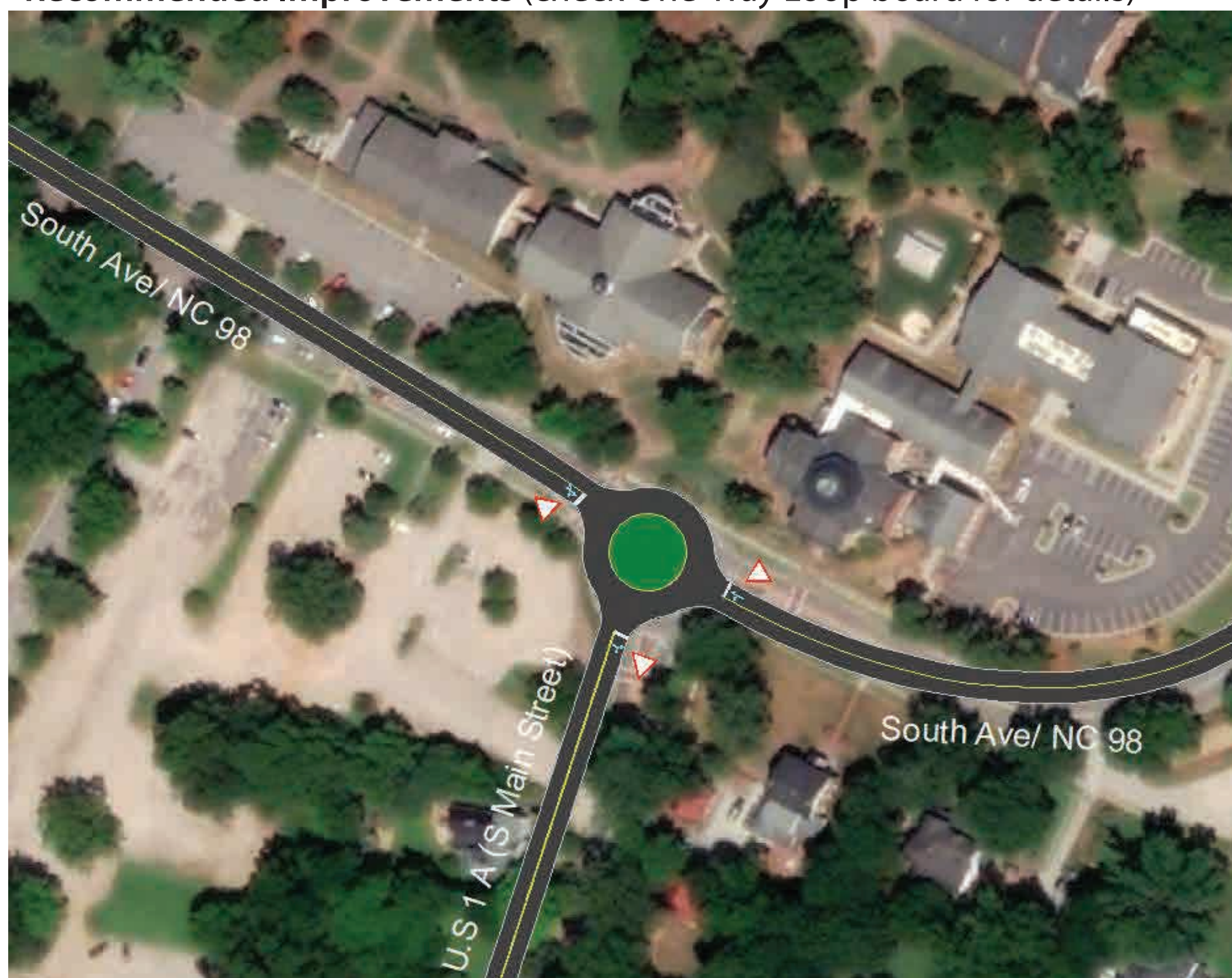
### Existing Level of Service



### Existing Conditions



### Recommended Improvements (check One-Way Loop board for details)



### Recommendations

#### 2019 Short Term Improvements

- Create high visibility crosswalks with flashing pedestrian detection system to warn the oncoming traffic and improve safety.
- Based on the traffic studies, no improvements are required for this intersection in the short term.

#### 2045 Long Term Improvements

- One-way loop around the seminary for more efficient movement of traffic.
- Adding bike lanes along the loop to plug a crucial gap in the bicycle network.