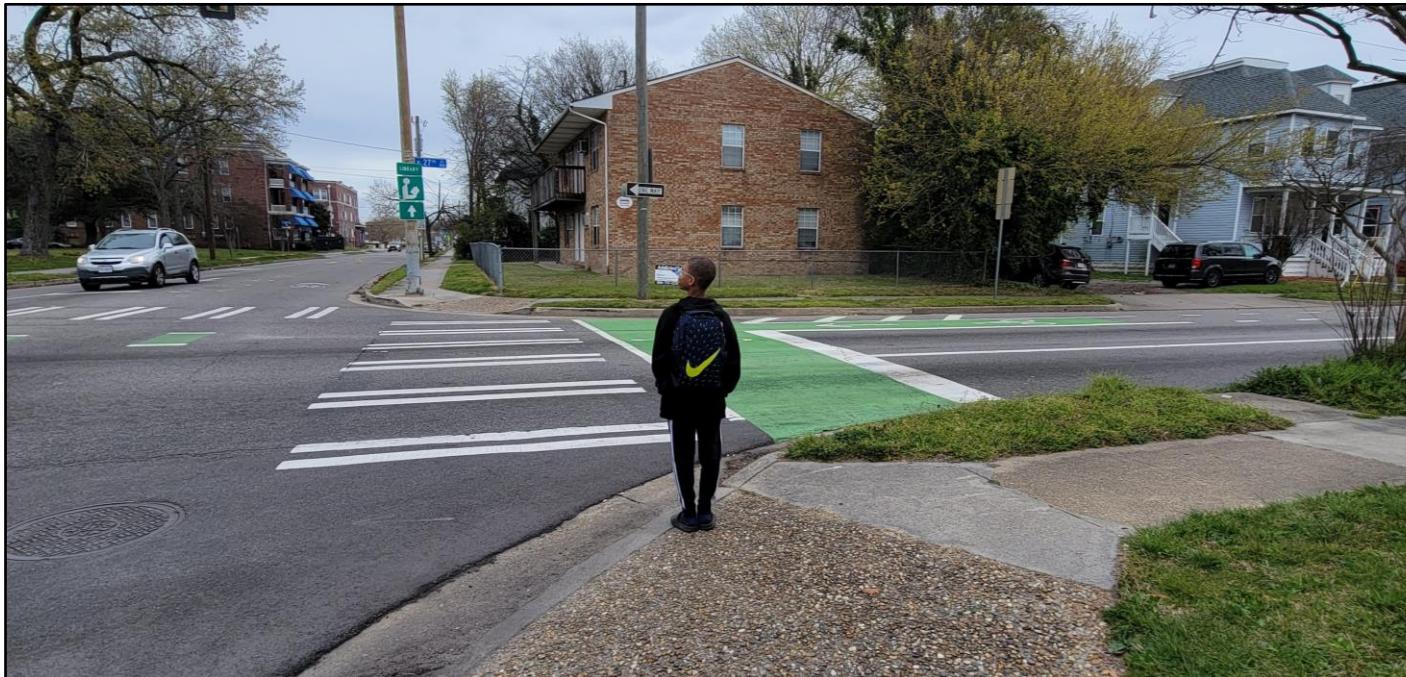




Colonial Avenue Pedestrian Safety Project

Department of Transportation



Colonial Avenue Pedestrian Safety Project

Evaluation and determination of planning-level concepts for pedestrian safety improvements

- Provides traffic calming
- Improves the pedestrian experience along this multi-modal corridor
- Part of the Complete Streets Initiative

Study Area



Colonial Ave between W Princess Anne Rd and W 27th St

Identified Improvements

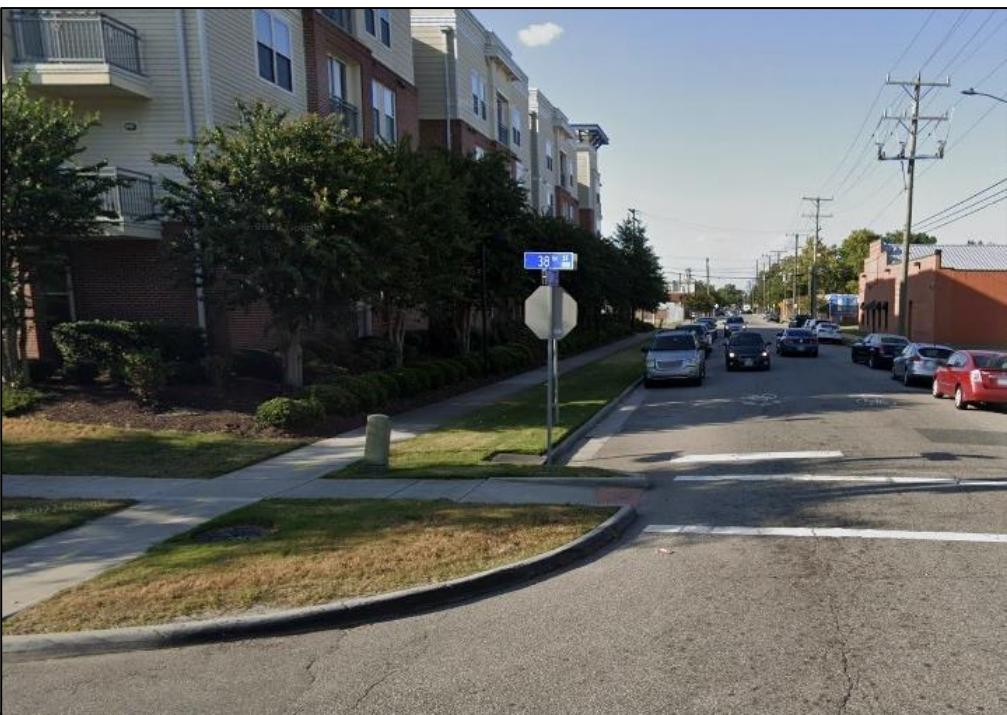
Bulbouts

Benefits

- Increases area for pedestrians
- Reduces crossing distance and crossing time
- Encourages drivers to slow down
- Can be landscaped or hardscaped
- Parking setback from intersection

Challenges

- Consideration of drainage
- Truck turns
- Applicable only with on-street parking



Rectangular Rapid-Flashing Beacon (RRFB)

Benefits

- Draws attention to pedestrian crossing
- Encourages drivers to slow down
- Encourages pedestrians to stop and push button

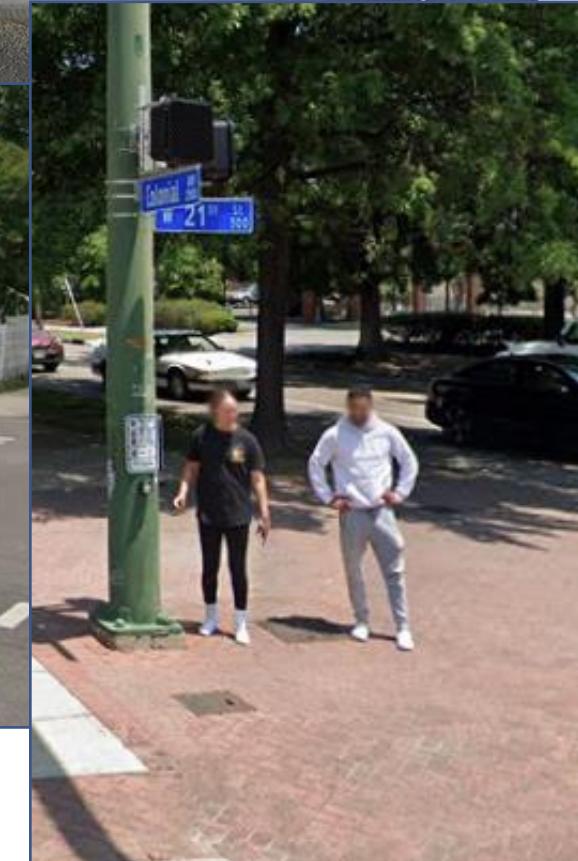
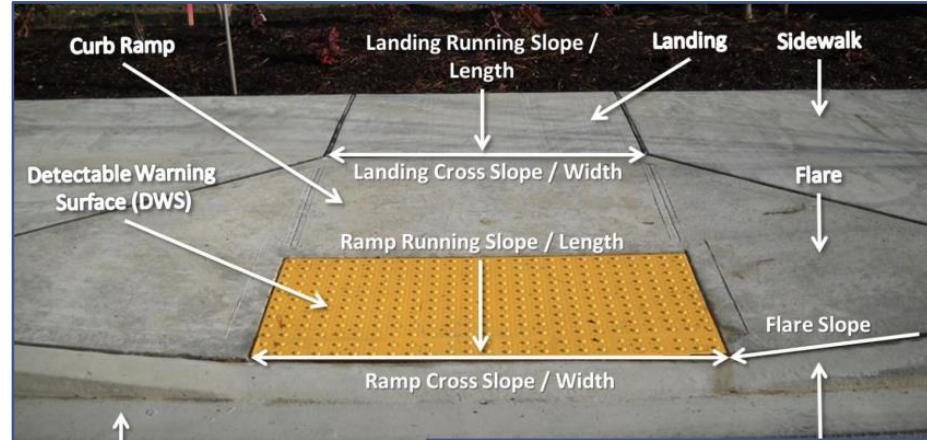
Challenges

- Additional signage

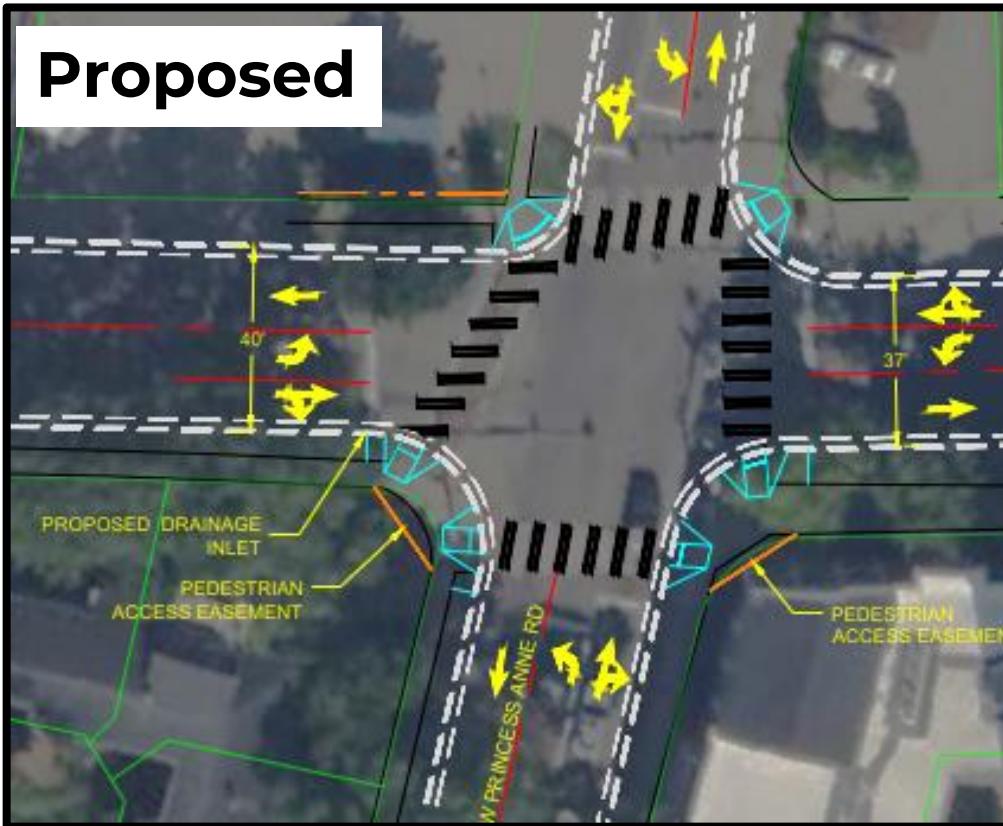
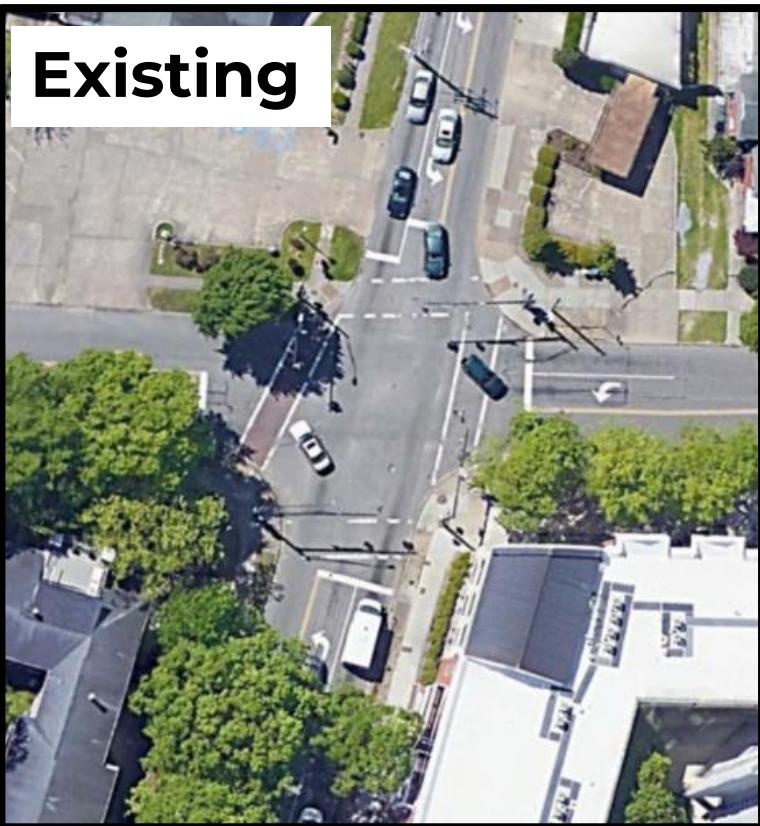
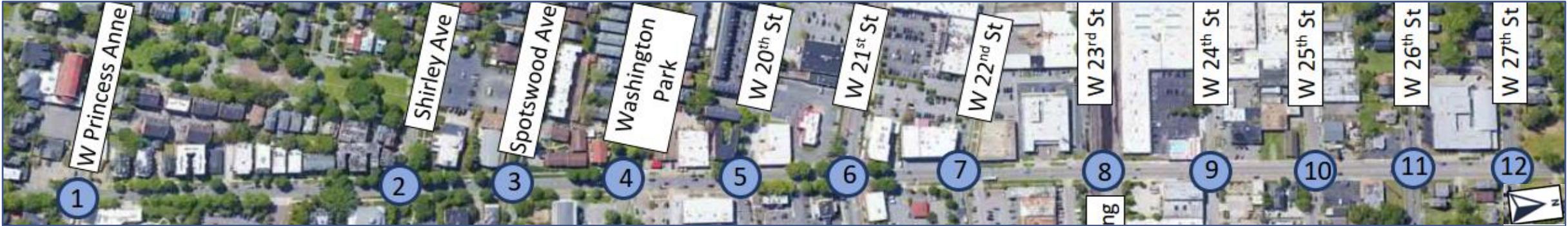


ADA Improvements

- Curb Ramps
- Sidewalk Width & Clearance
- Pedestrian Signals & Equipment
- Crosswalks



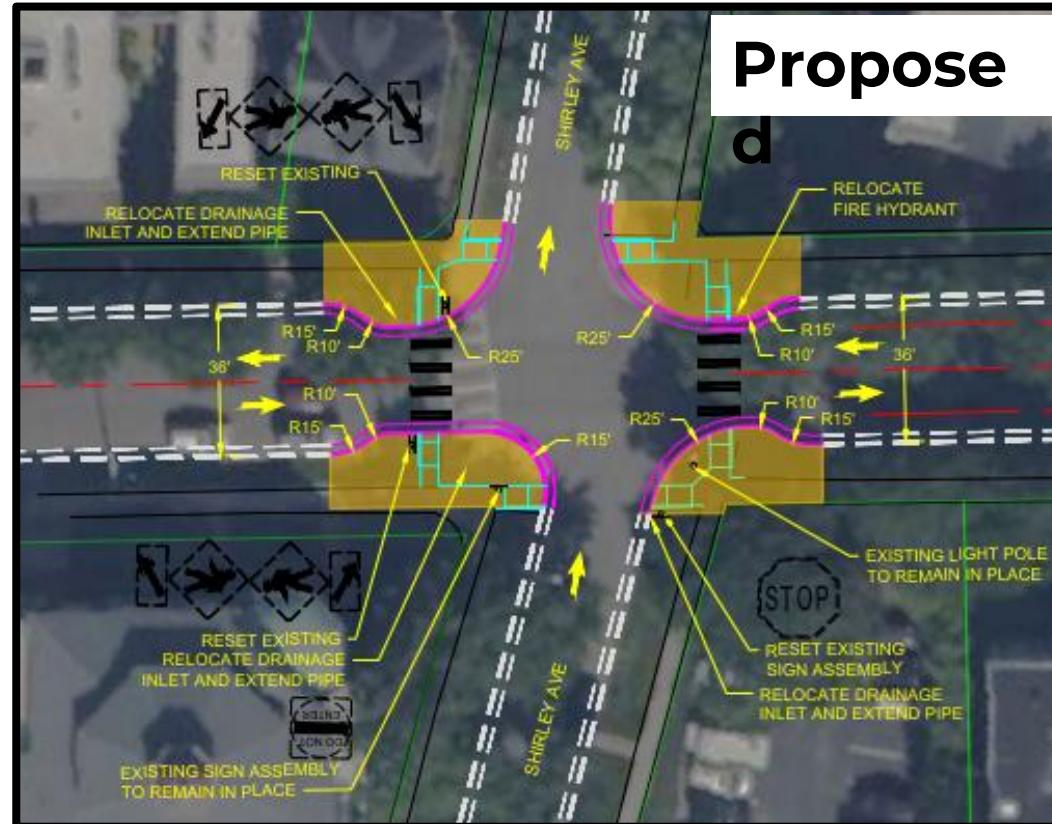
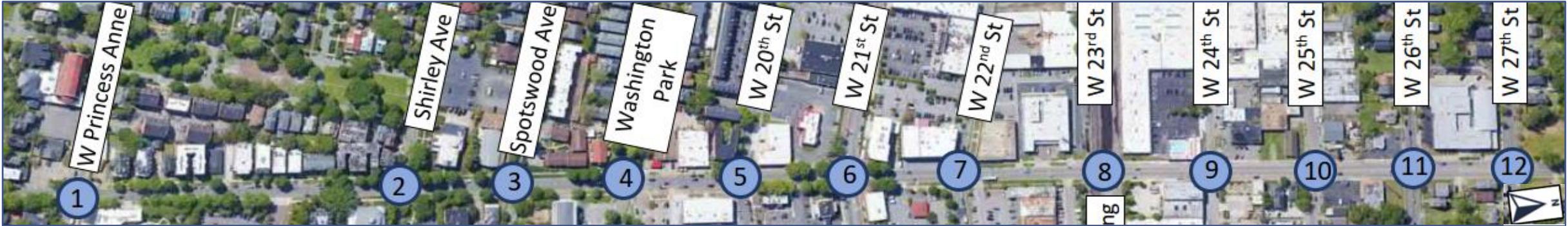
(1) W Princess Anne Road & Colonial Avenue



- Replace all existing curb ramps (ADA Compliant)
- Sidewalk extension/widening
- Drainage improvements

Relative Price: Medium

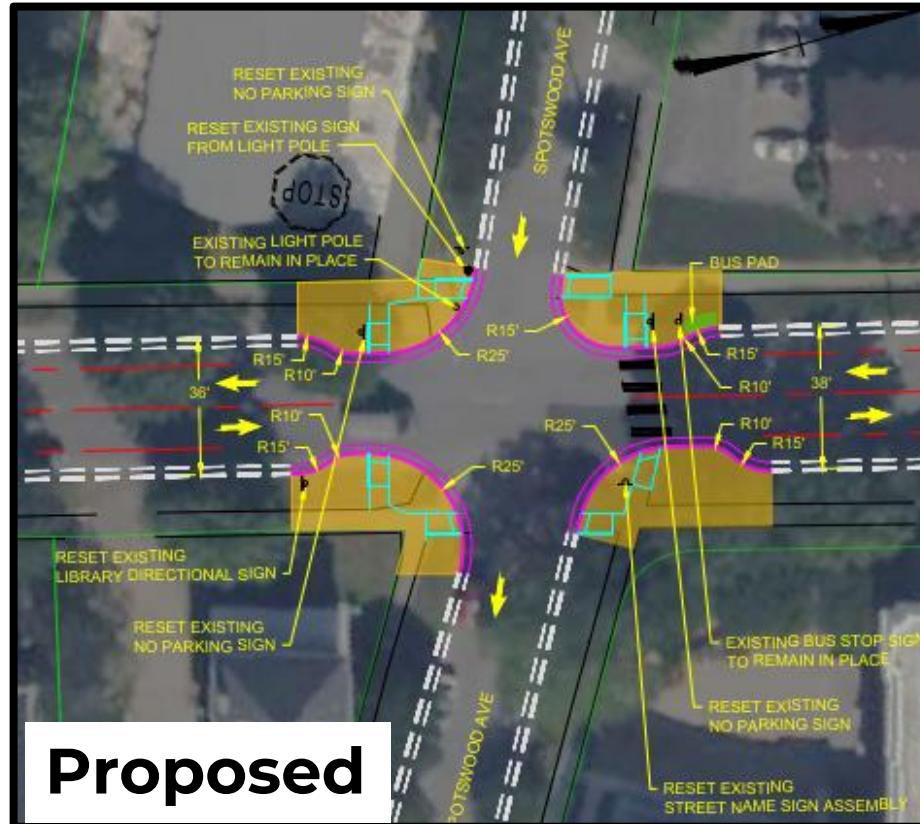
(2) Shirley Avenue & Colonial Avenue



- Bulb-Outs (All Corners)
- New curb ramps (ADA Compliant)
- Restripe crosswalks
- Replace existing signs

Relative Price: High

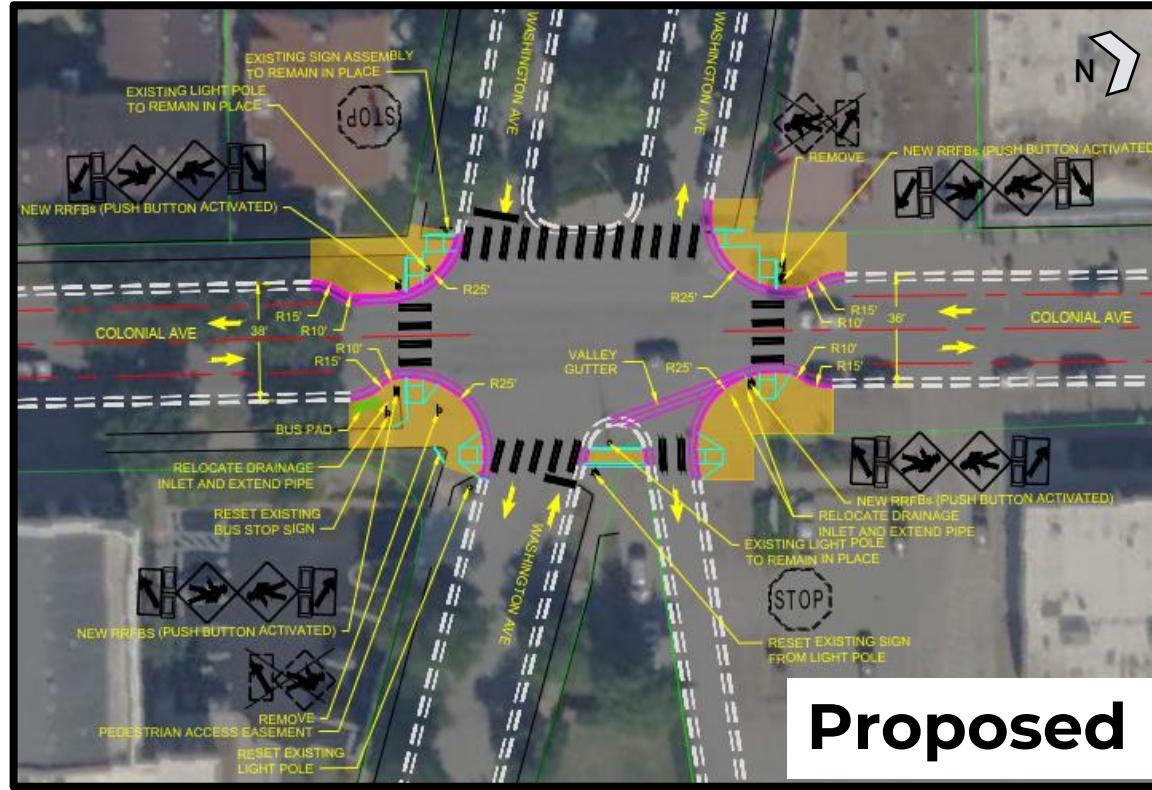
(3) Spotswood Avenue & Colonial Avenue



- Bulb-Outs (All Corners)
- New curb ramps (ADA Compliant)
- New crosswalk

Relative Price:
Medium

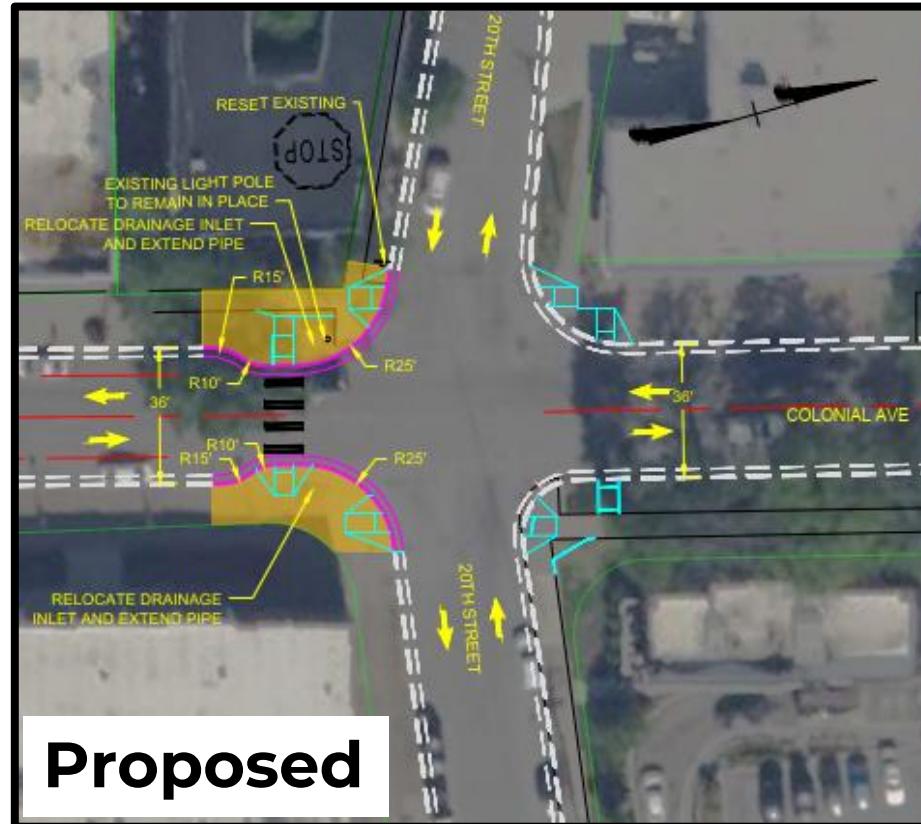
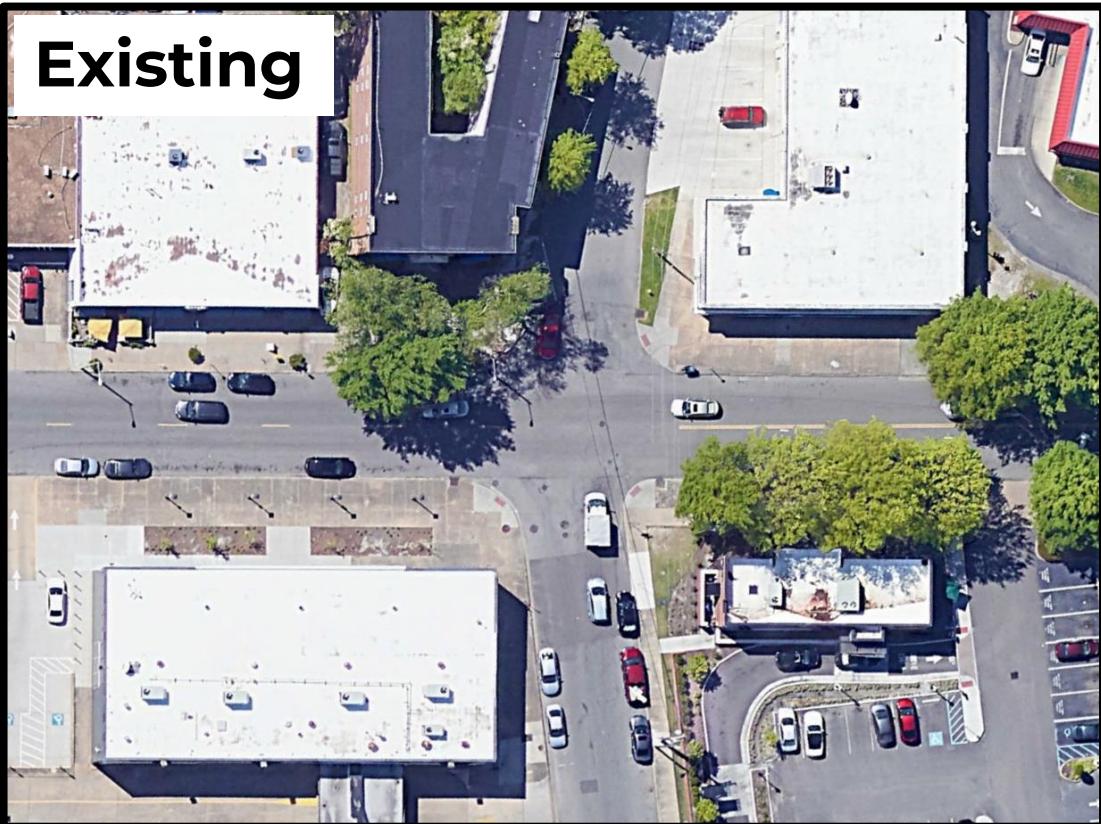
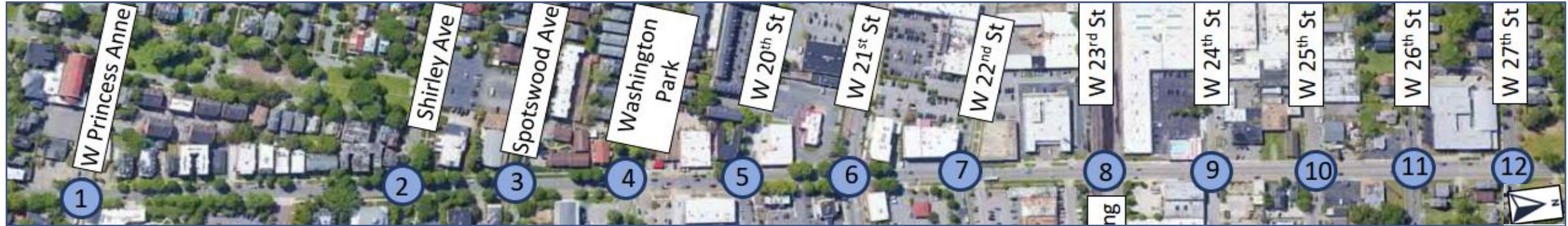
(4) Washington Park & Colonial Avenue



- Bulb-Outs (All Corners)
- Relocated curb ramps (ADA Compliant)
- New crosswalk and pedestrian refuge across east leg
- RRFBs to cross Colonial Ave

Relative Price:
High

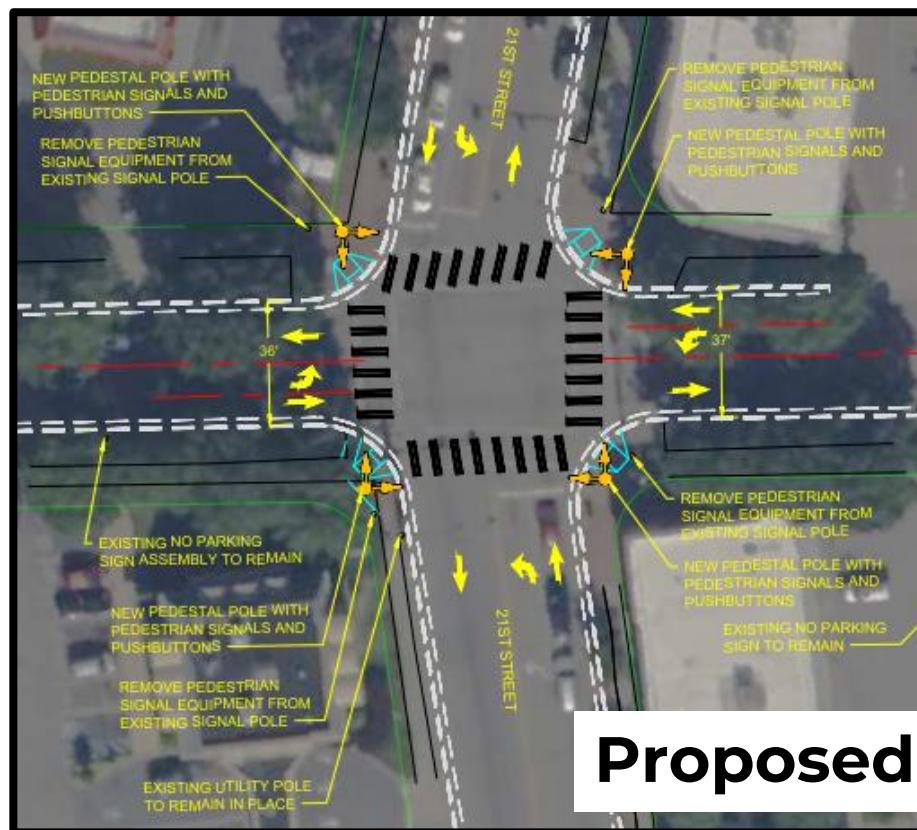
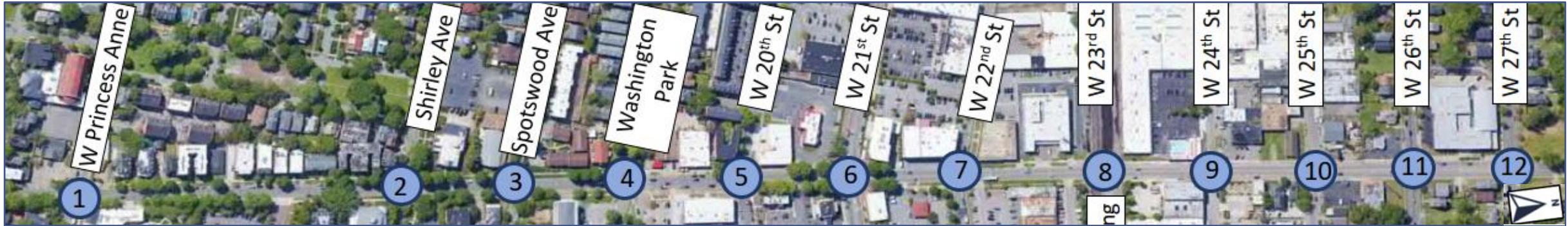
(5) W 20th Street & Colonial Avenue



- Bulb-Outs (SW & SE Corners)
- New curb ramps (ADA Compliant)
- New crosswalk across south leg

Relative Price:
Medium

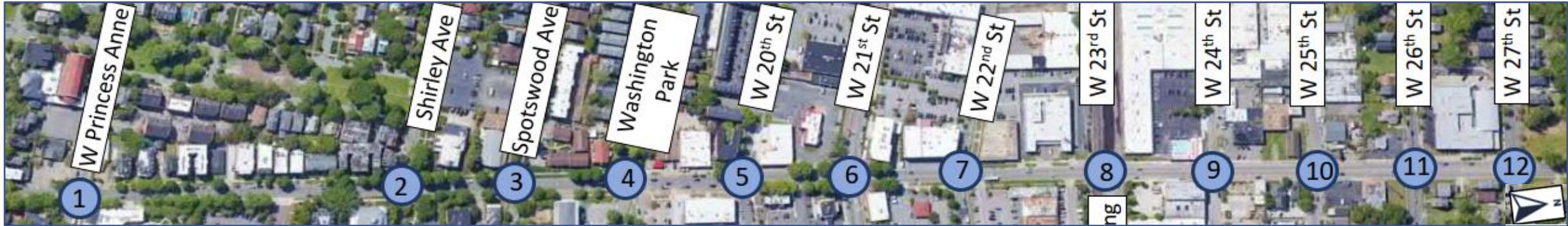
(6) W 21st Street & Colonial Avenue



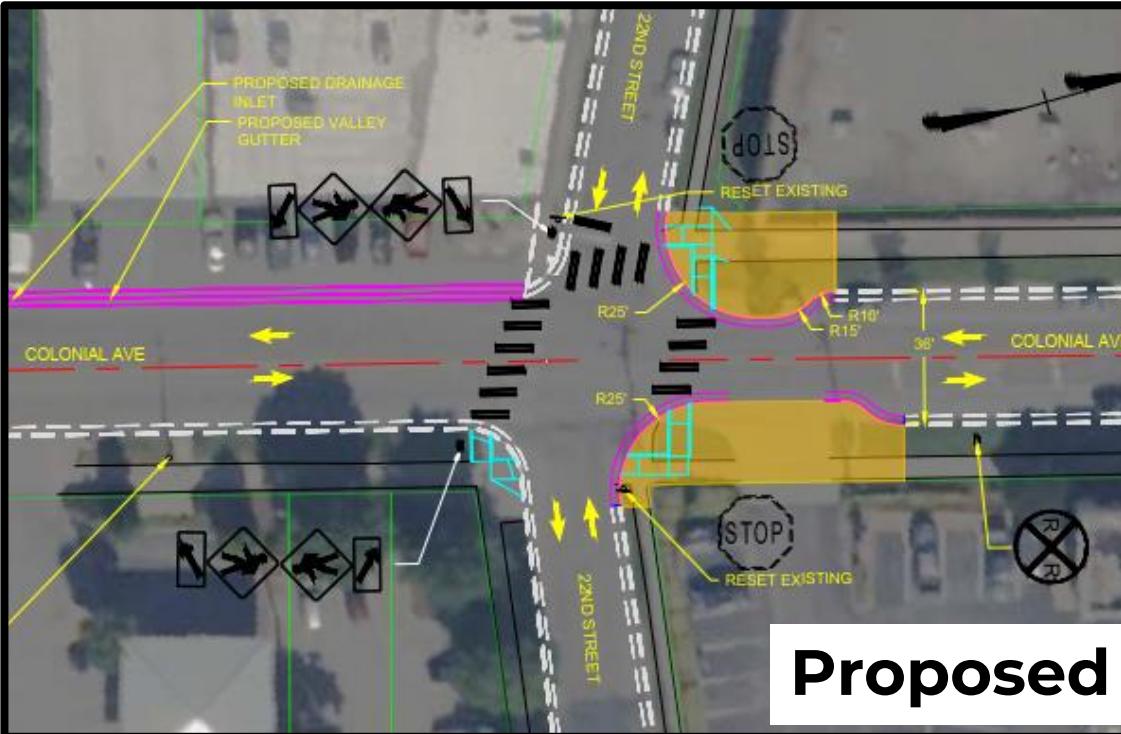
- New curb ramps (ADA Compliant)
- Relocate existing ped signals & pushbuttons to new pedestal poles (ADA Compliant)
- Refresh crosswalks to align with curb ramps

Relative Price:
Medium

(7) W 22nd Street & Colonial Avenue



Existing

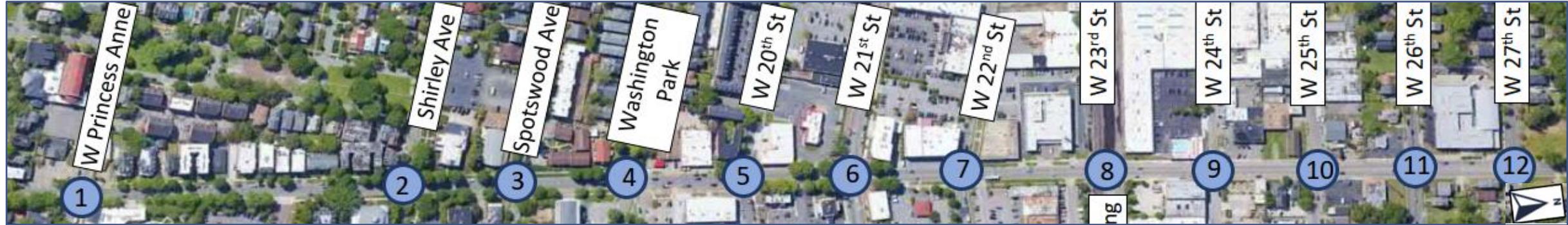


Proposed

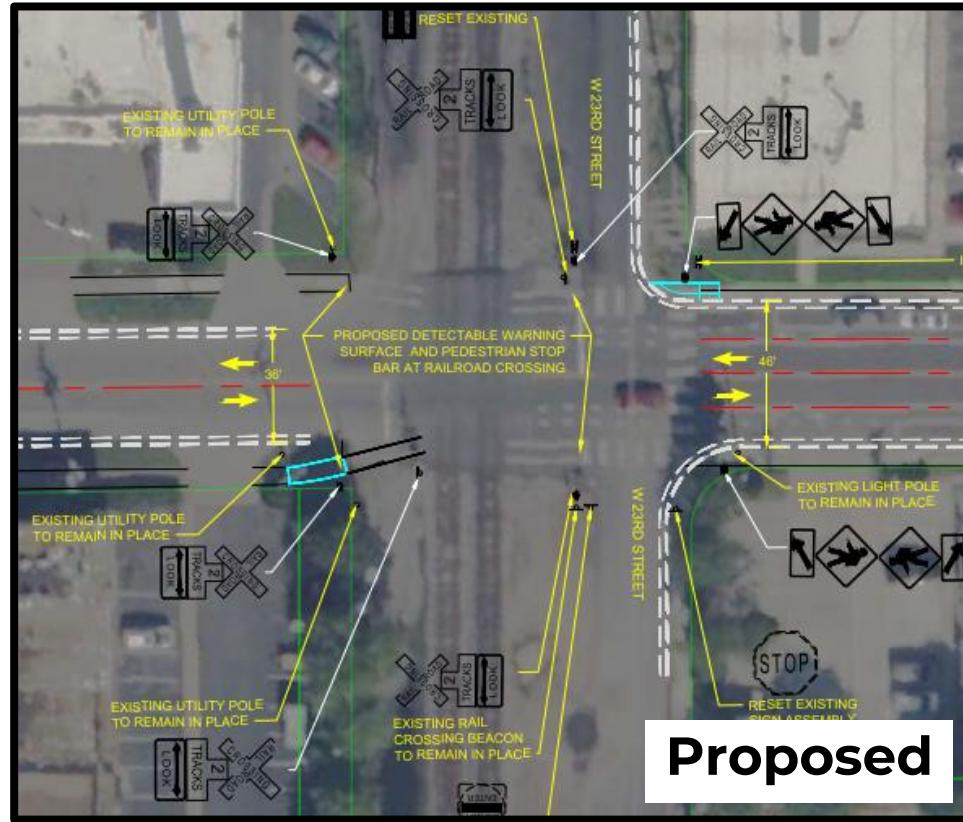
- Replace SE diagonal curb ramp with perpendicular curb ramp
- Restripe south crosswalk & add pedestrian signs
- Add Bulb-Outs (NW & NE Corners)
- Replace NE & NW curb ramps and add crosswalk (ADA Compliant)
- Add valley gutter and inlet for drainage

Relative Price: High

(8) W 23rd Street/Rail Crossing & Colonial Avenue



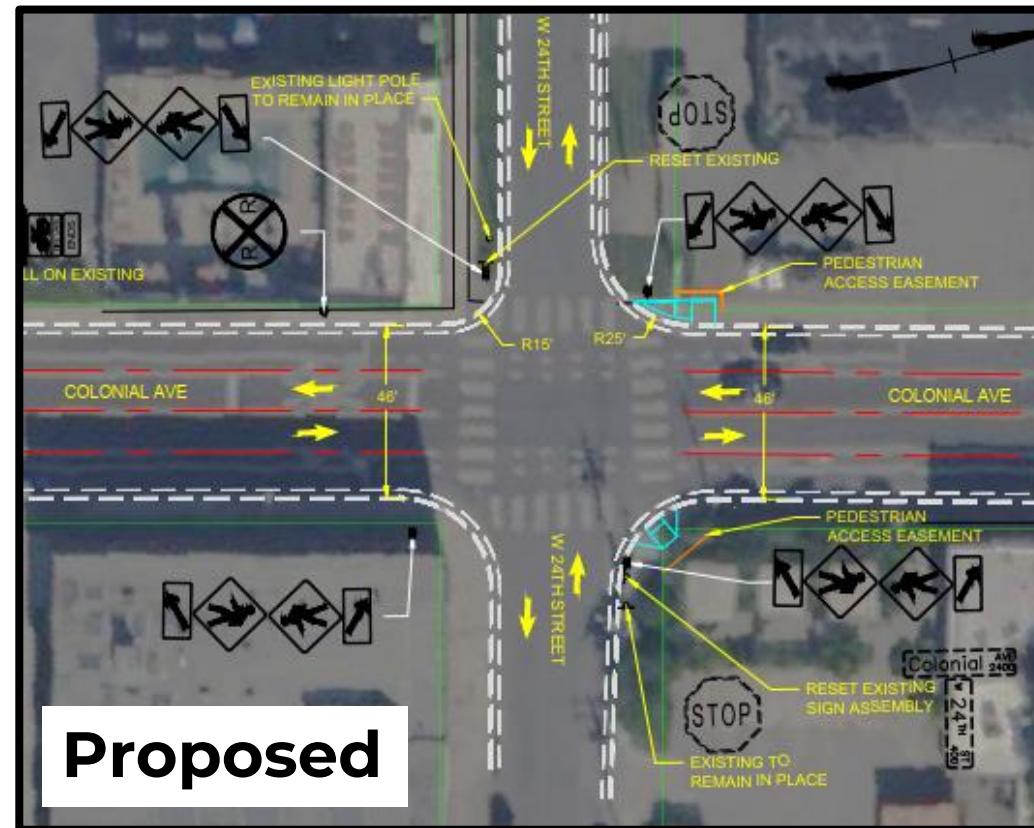
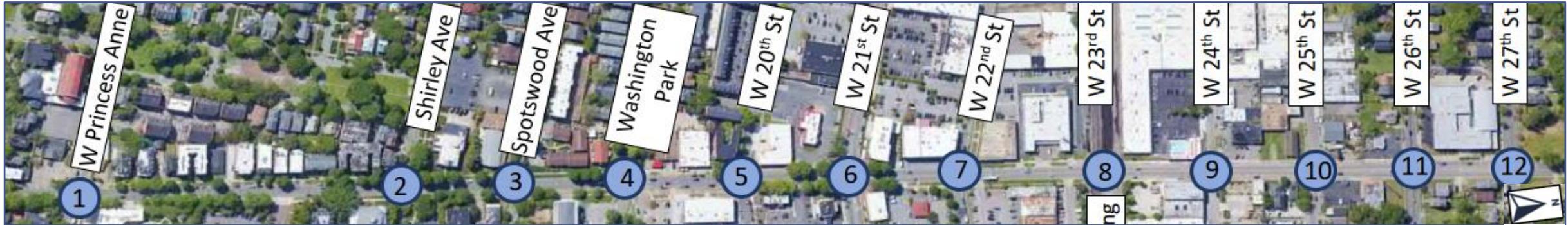
Existing



- Install additional railroad crossing signs
- Relocate stop sign (East leg)
- Replace asphalt/gravel sidewalk with concrete and detectable surfaces
- Finish terminated sidewalks and provide curb ramps and pedestrian stop bars

Relative Price: Low

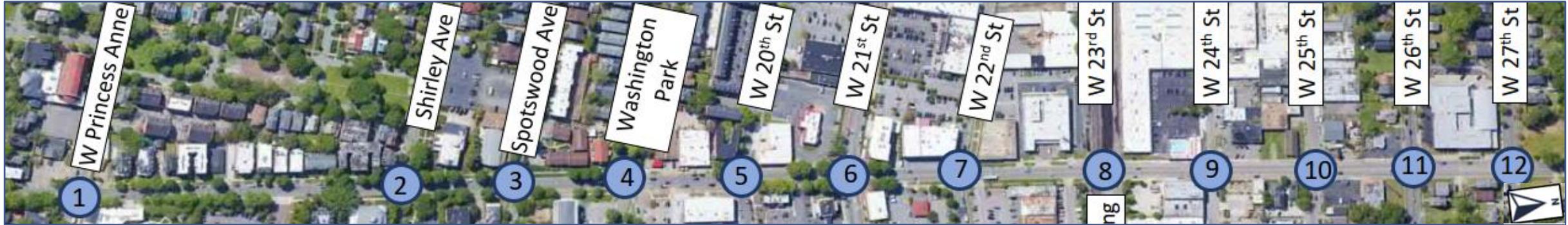
(9) W 24th Street & Colonial Avenue



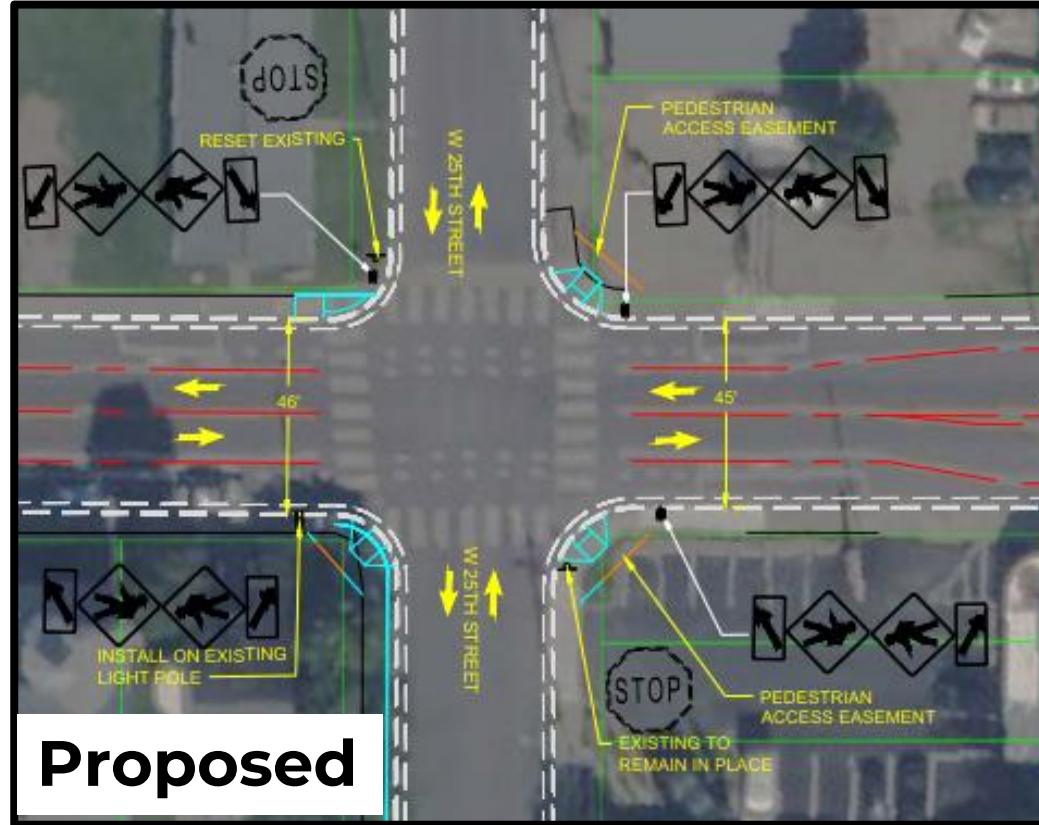
- Install new detectable warning surface on NW curb ramp
- Install pedestrian signs for Colonial Ave crosswalks

Relative Price: Low

(10) W 25th Street & Colonial Avenue



Existing

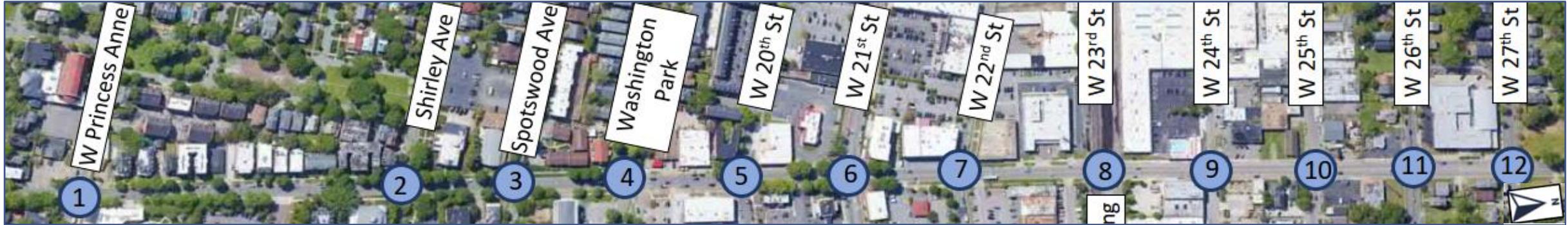


Proposed

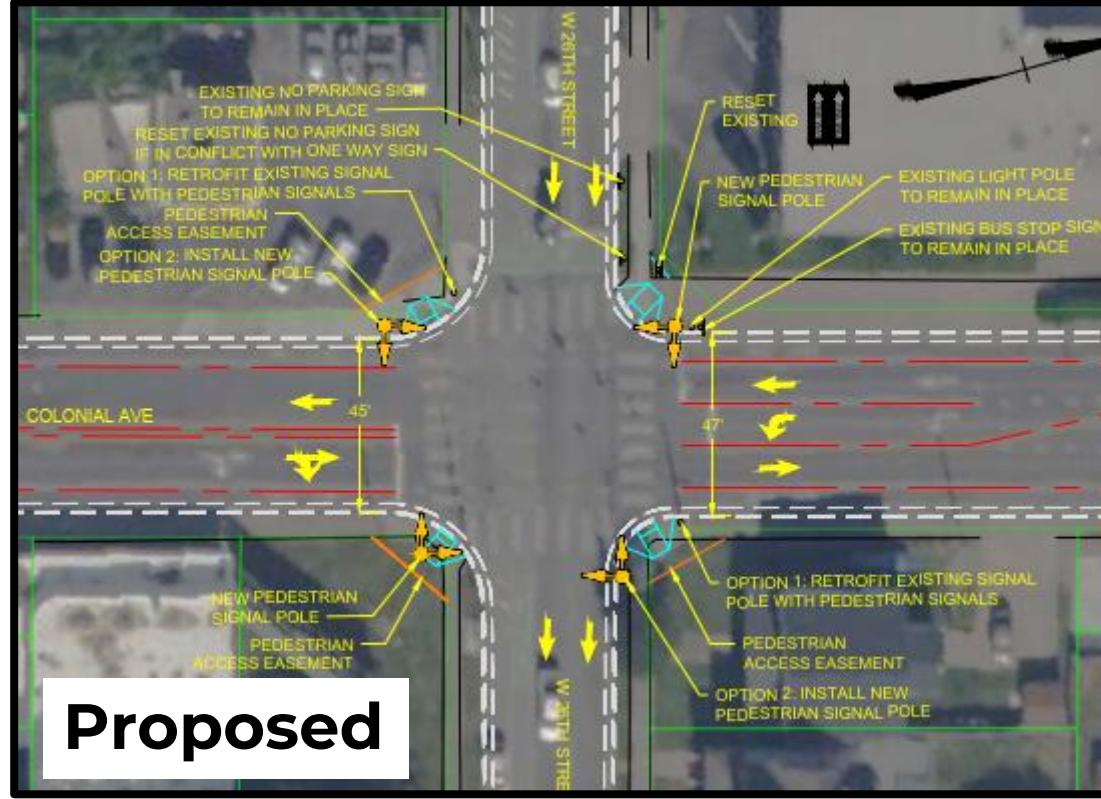
- Reconstruct all 4 curb ramps (ADA Compliant)
- Install pedestrian signs for Colonial Ave crosswalks

Relative Price: Low

(11) W 26th Street & Colonial Avenue



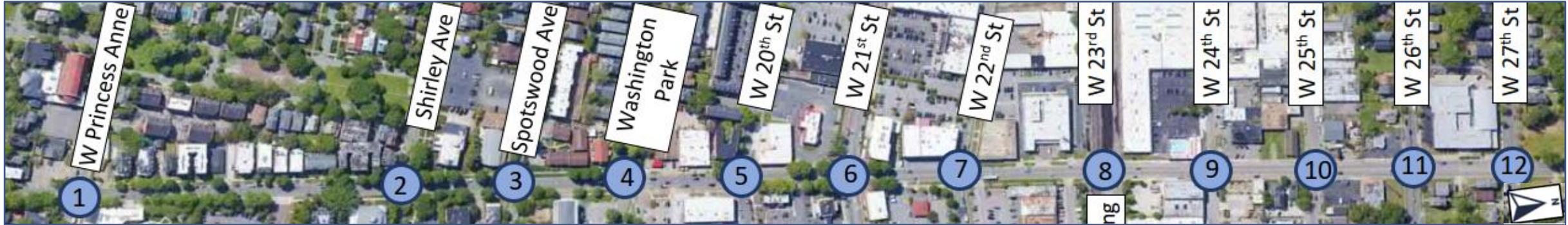
Existing



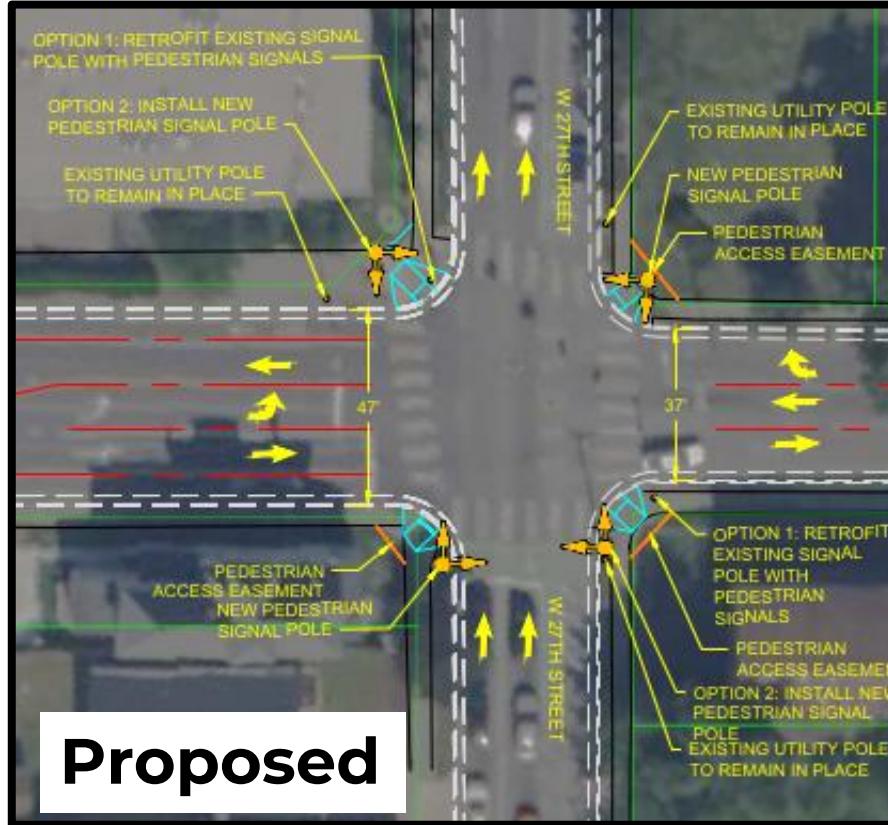
- Install new pedestrian signals / poles on each corner
- Install detectable warning surface on the SE corner ramp

Relative Price: Low-High (depending on signal modifications)

(12) W 27th Street & Colonial Avenue



Existing

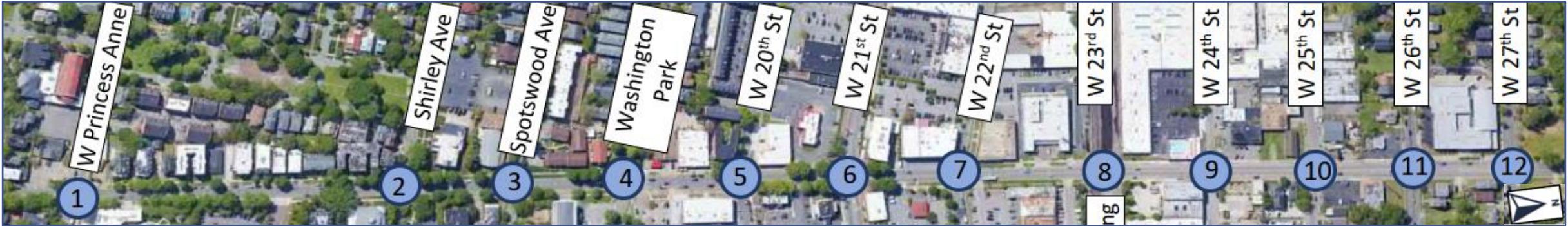


Proposed

- Install new pedestrian signals / poles on each corner
- Replace all 4 existing curb ramps (ADA Compliant)
- Clear vegetation in NW corner

Relative Price: Low-High (depending on signal modifications)

Corridor Wide Recommendations



- Inspect sidewalks, curbs, and curb ramps to ensure consistent & maintained access is provided
- Ensure walkways are level, properly maintained, and free from obstructions or damage
- Remove & replace damaged items



Budget

FY22 CIP – Planning/Design/Construction - \$550,000

- Planning -- \$54,000
- Design -- \$TBD (Some design work will be in-house)
- Construction -- \$1,350,000 (all concepts)

OR

\$774,000 (Princess Anne Rd to 22nd St)

Next Steps

- Meet with stakeholders
 - Ghent Neighborhood League
 - Ghent Business Association
 - Park Place Civic League
 - Railroad District
- Select alternatives for funding, design and construction