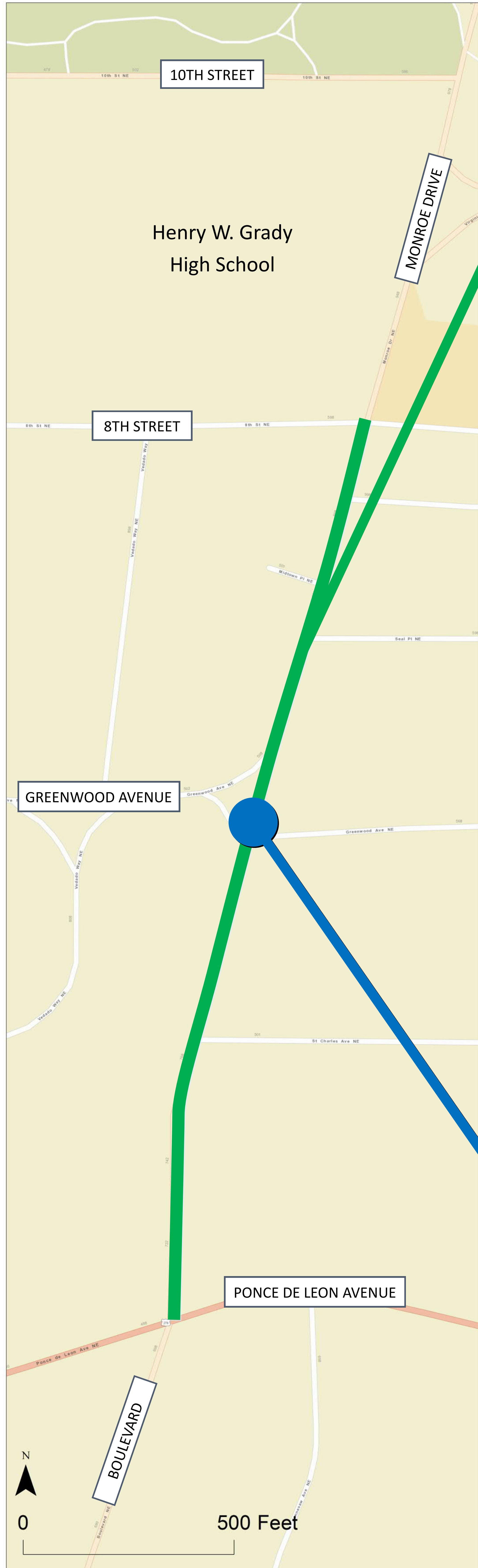


Monroe Drive / Boulevard Complete Streets: Improvement Opportunities

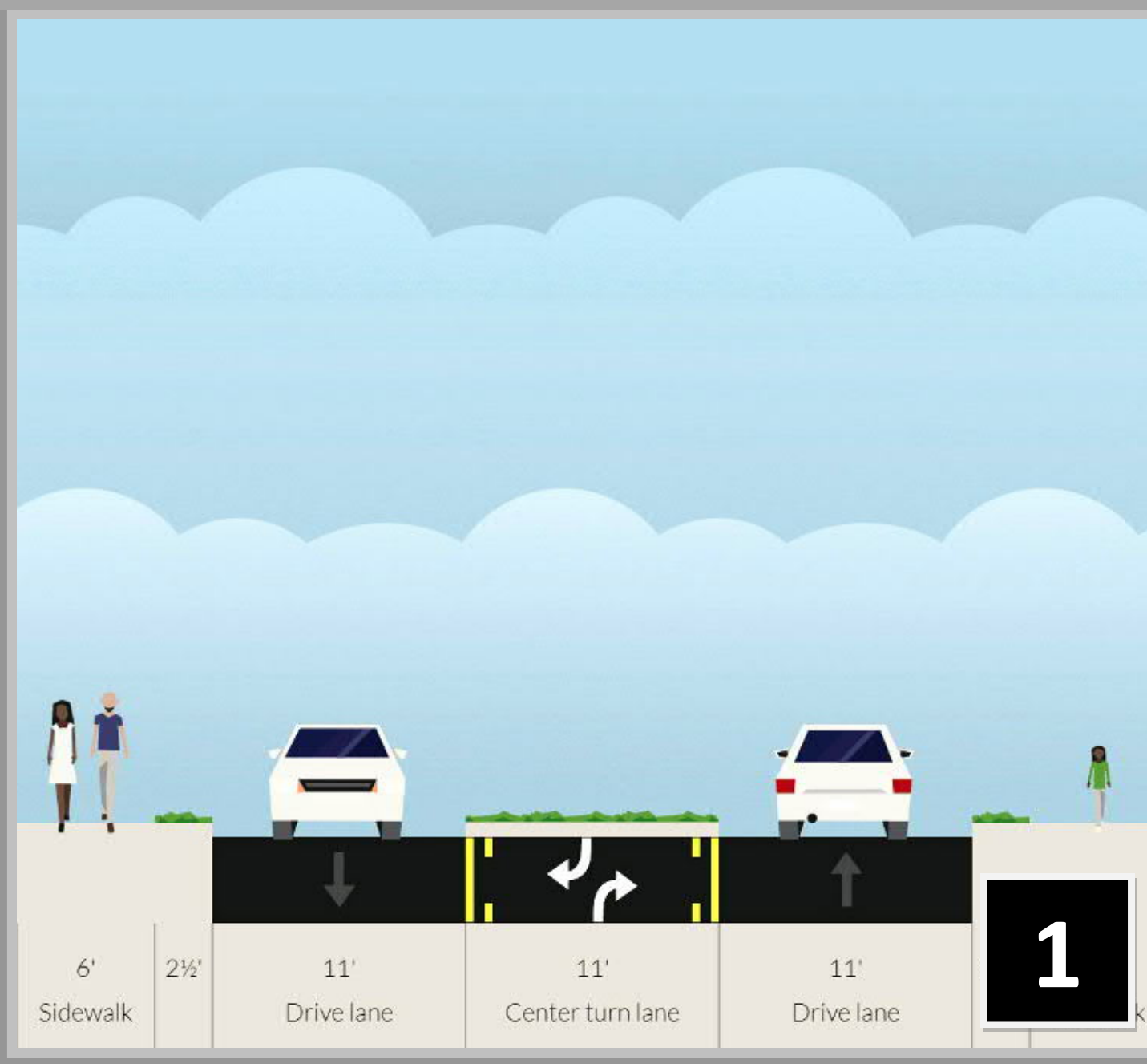


Virginia Street to Ponce de Leon Avenue

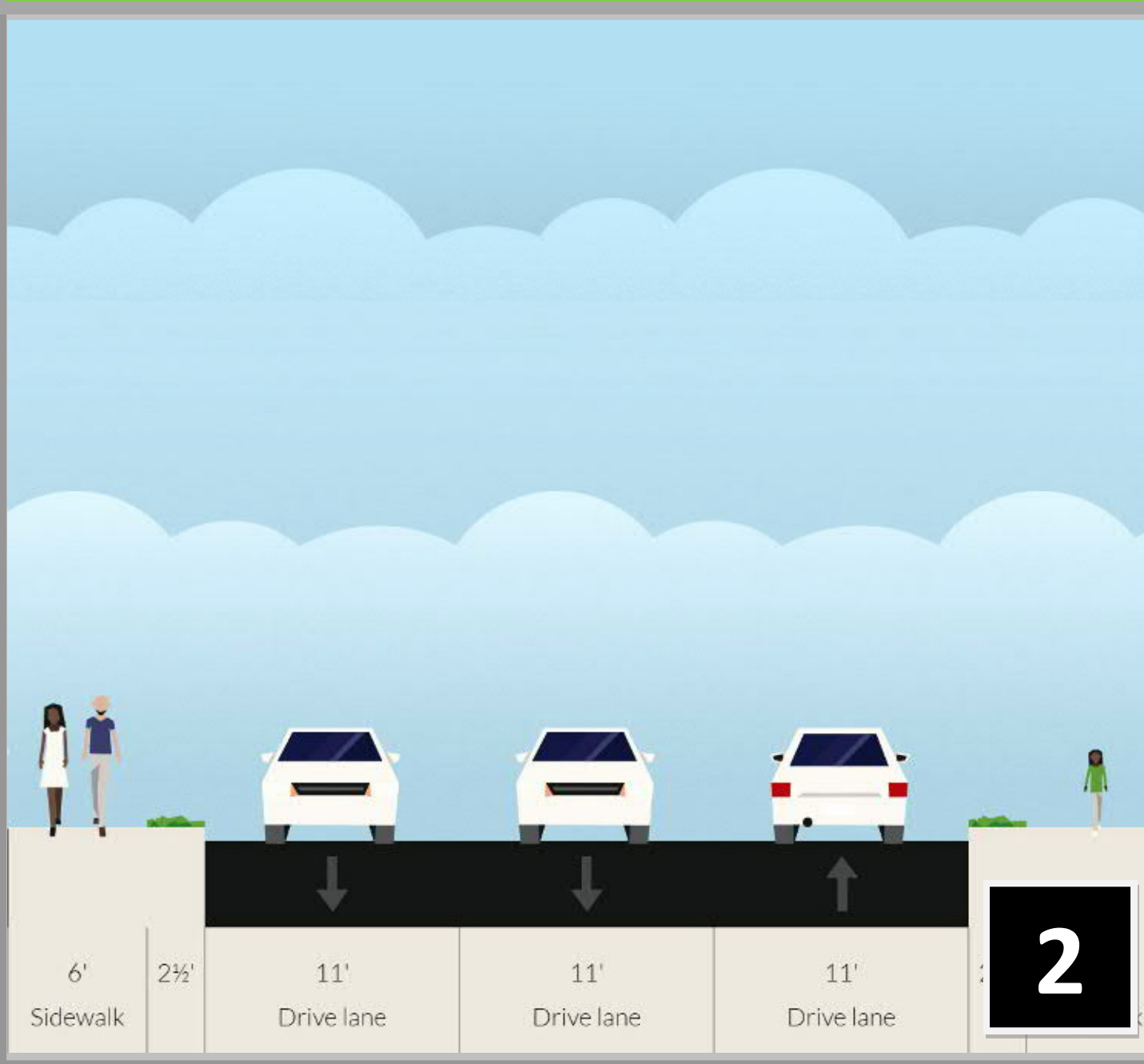


Preliminary Design Concepts

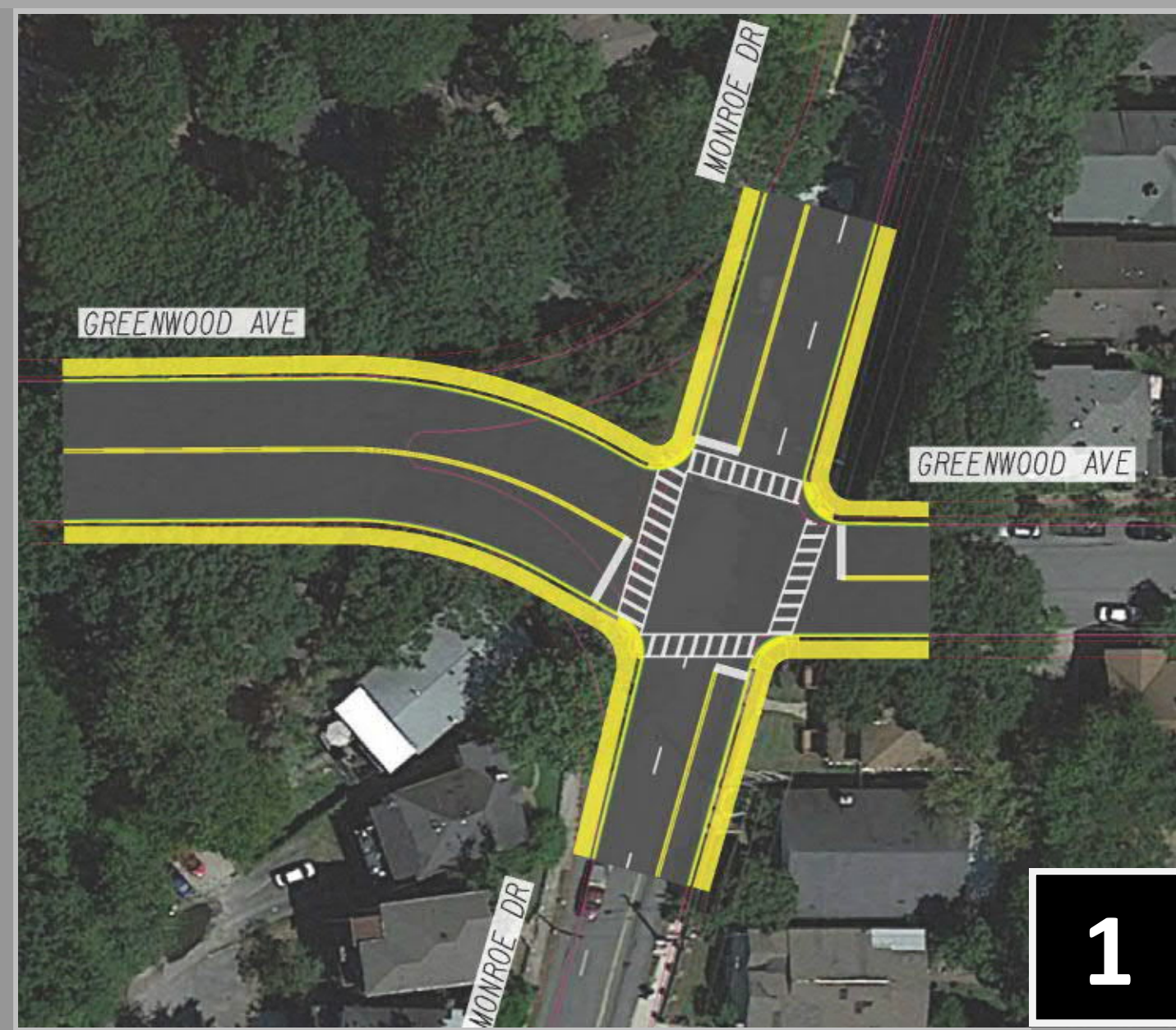
Monroe Drive from Ponce de Leon to 8th Street
Road Diet



Monroe Drive from Ponce de Leon to 8th Street
Lane Reconfiguration



Monroe Drive at Greenwood Avenue
Intersection Realignment



Monroe Drive at Greenwood Avenue
Roundabout (1 Southbound Lane & 1 Northbound Lane)



Monroe Drive at Greenwood Avenue
Roundabout (2 Southbound Lanes & 1 Northbound Lane)



HAWK Signal at Monroe Dr and Greenwood Ave intersection

Benefits & Impacts

Alternative Mode:

- Pedestrian refuge islands in median with reduced crossing distances

Safety:

- Potential to reduce number of vehicle crashes by 22%* to 34%**

Performance:

- Increase in travel times for northbound AM peak and southbound PM peak vehicles
- No significant change to intersection delays

Constructability:

- Restriping project / Plausible within existing right-of-way

Safety:

- Potential to reduce side-swipe vehicle crashes caused by lane changing

Performance:

- Potential to reduce future southbound travel times
- Only minor changes to intersection delays

Constructability:

- Restriping project / Plausible within existing right-of-way

Alternative Mode:

- Signalized crosswalks

Safety:

- Increase number of vehicle conflict points
- Dedicated pedestrian facilities

Performance:

- Increase in eastbound and westbound delays
- No significant change to travel times

Constructability:

- Plausible within existing right-of-way

Alternative Modes:

- Slows vehicles moving through intersection

Safety:

- Potential to reduce injury collisions by 60%*

Performance:

- Decreased delays for eastbound and westbound vehicles
- Increased north-south delay as single

Constructability:

- Impacts to northwest and southwest properties

Safety:

- Potential to reduce vehicle crashes by 29% and pedestrian crashes by 69%***

Performance:

- No significant impact to vehicle travel times or delay

Constructability:

- Plausible within existing right-of-way

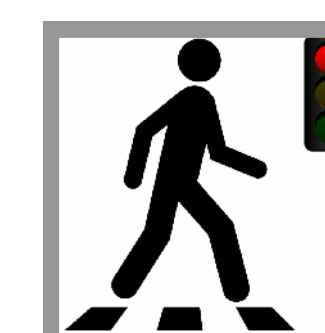
Comments and Concerns Addressed

MONROE DRIVE FROM 8TH STREET TO PONCE DE LEON AVENUE

- Install additional pedestrian refuge islands (Public Comment)
- Support for road diet on Monroe Drive (Midtown Garden District Neighborhood Plan)
- Convert Monroe Drive into two lanes with a center turn lane (Public Comment)
- Residents cannot get out of neighborhood or driveways due to traffic on Monroe between Greenwood and Ponce (Public Comment)

LEGEND

HAWK Signal at intersection of Monroe Drive and Greenwood Avenue



* Highway Safety Manual (AASHTO, 2010)

** The Group Least Absolute Shrinkage and Selection Operator "GLASSO" Technique: Application in Variable Selection and Crash Prediction at Unsignalized Intersections (Haleem and Abdel-Aty, 2010)

*** Safety Effects of Marked Versus Unmarked Crosswalks at Uncontrolled Locations (FHWA, 2005)