

Project Open House

S.R. 434 Resurfacing

From east of U.S. 17-92 (S.R. 15/600) to S.R. 419

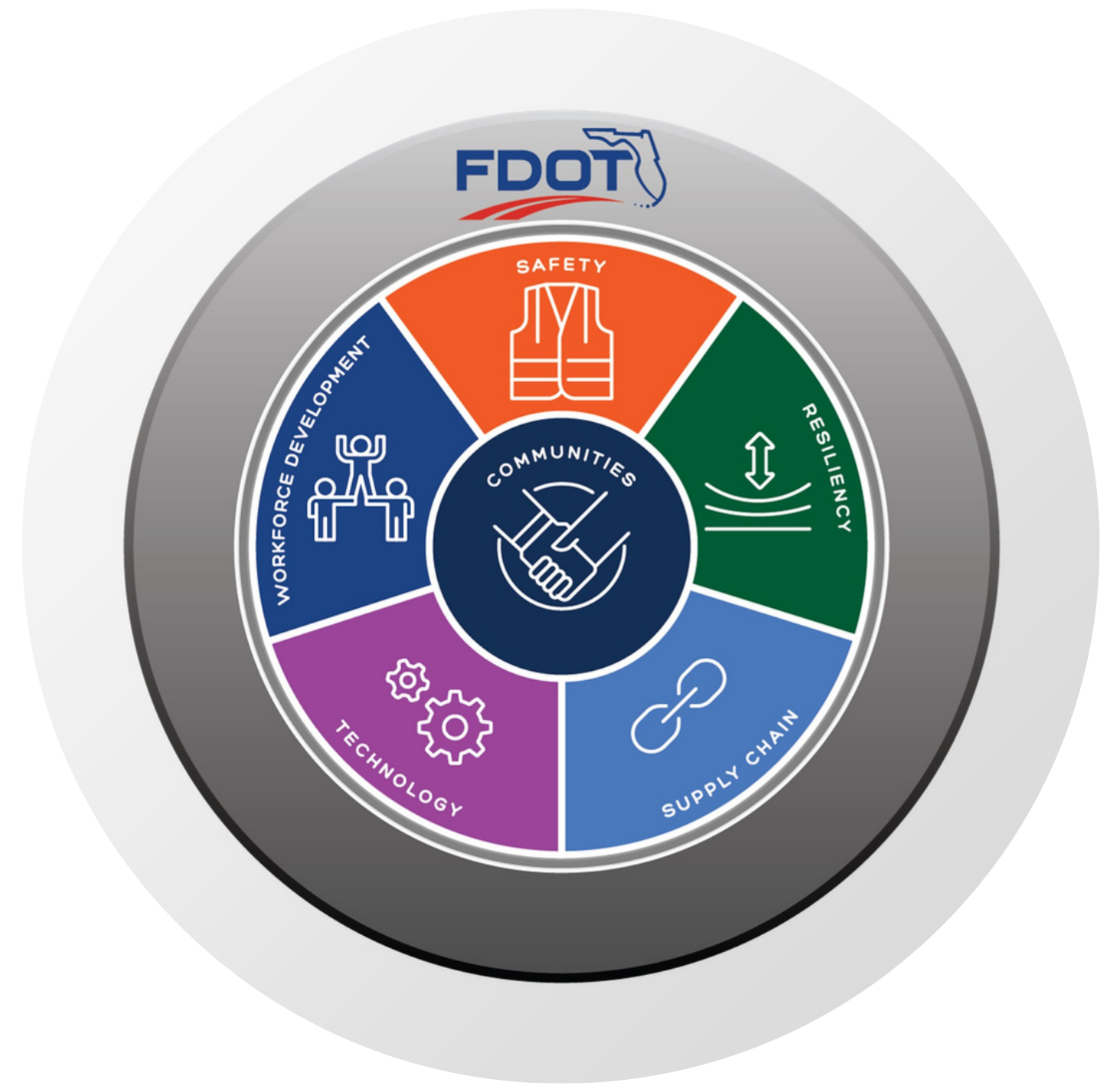
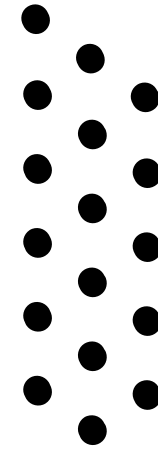
Seminole County

August 20, 2026



About this Open House

- Provide an opportunity to learn about the project
- Receive community feedback
- Allow flexibility for participation by offering both an in-person and virtual option



Project Overview

- From east of U.S. 17-92 (S.R. 15/600) to S.R. 419



- Approximately 2.09 miles
- Seminole County, Cities of Casselberry, Longwood, Winter Springs



- Safety and operational enhancements
- Resurfacing
- Access Management



Why This Project Is Needed

Restore Pavement

- Extends pavement life
- Improves ride quality

Enhance Pedestrian Safety

- Improves pedestrian safety at six intersections

Access Management Improvements

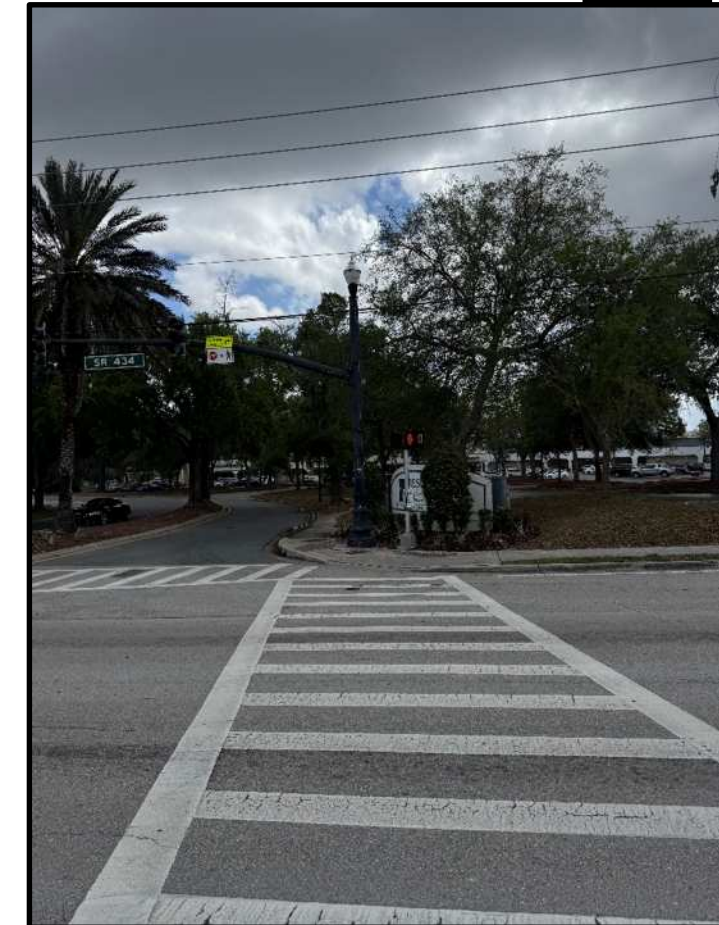
- From Sheoah Boulevard to Charles Street
- Reduces conflict points and crashes

Signal Improvements

- Upgrade or replace equipment
- Enhance safety for all users

Existing Conditions

- 4-lane divided roadway
 - 15-foot median
- 5-lane undivided roadway
 - Center two-way turn lane
- Six signalized intersections
 - Fountaintree Drive/Sunshadow Drive
 - N. Winter Park Drive
 - Sheoah Boulevard
 - Edgemon Street
 - Moss Road
 - Hayes Road
- Sidewalks throughout the corridor
- No bike lanes



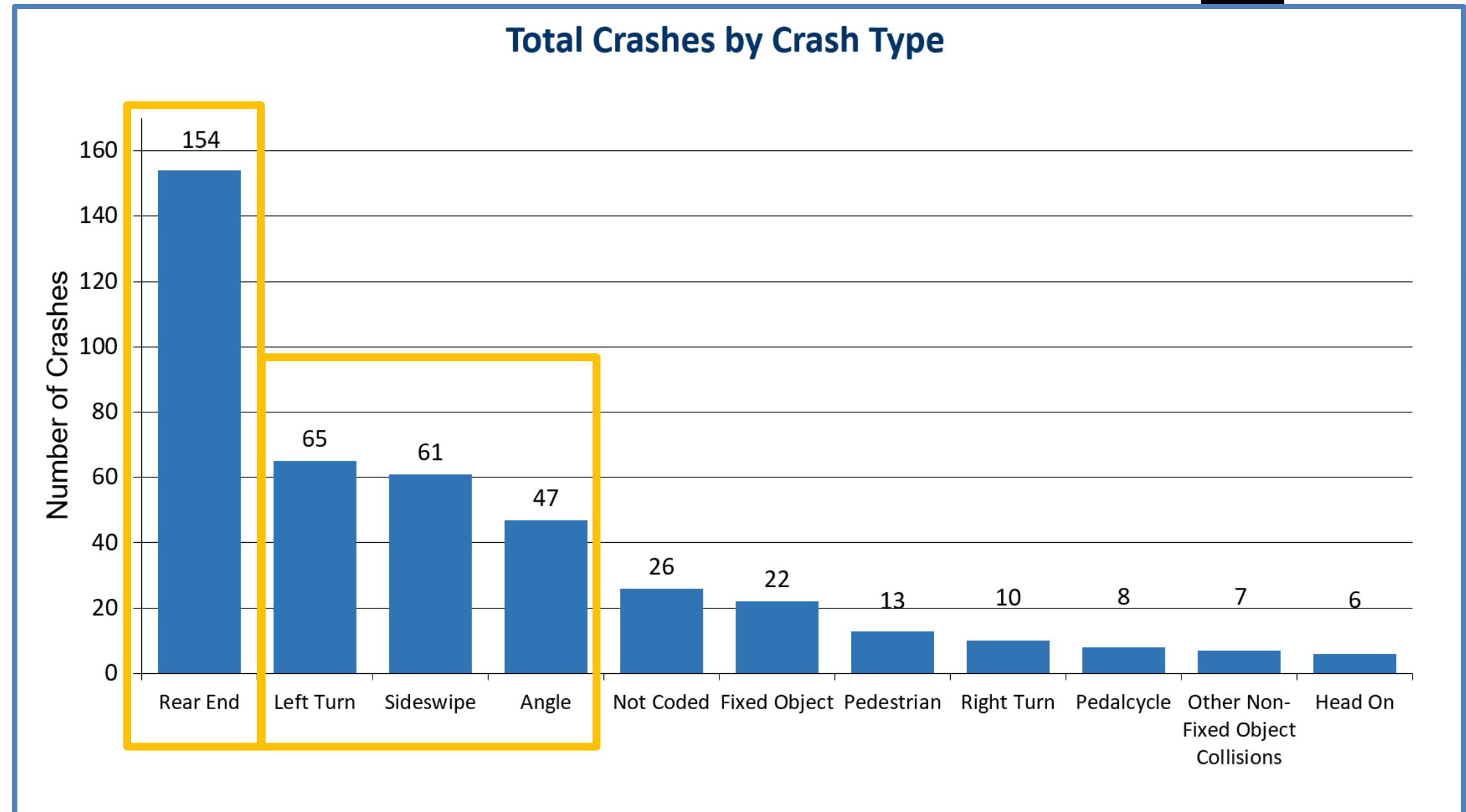
Historical Safety Analysis – 2021 to 2025

- **Corridor-wide statistics**

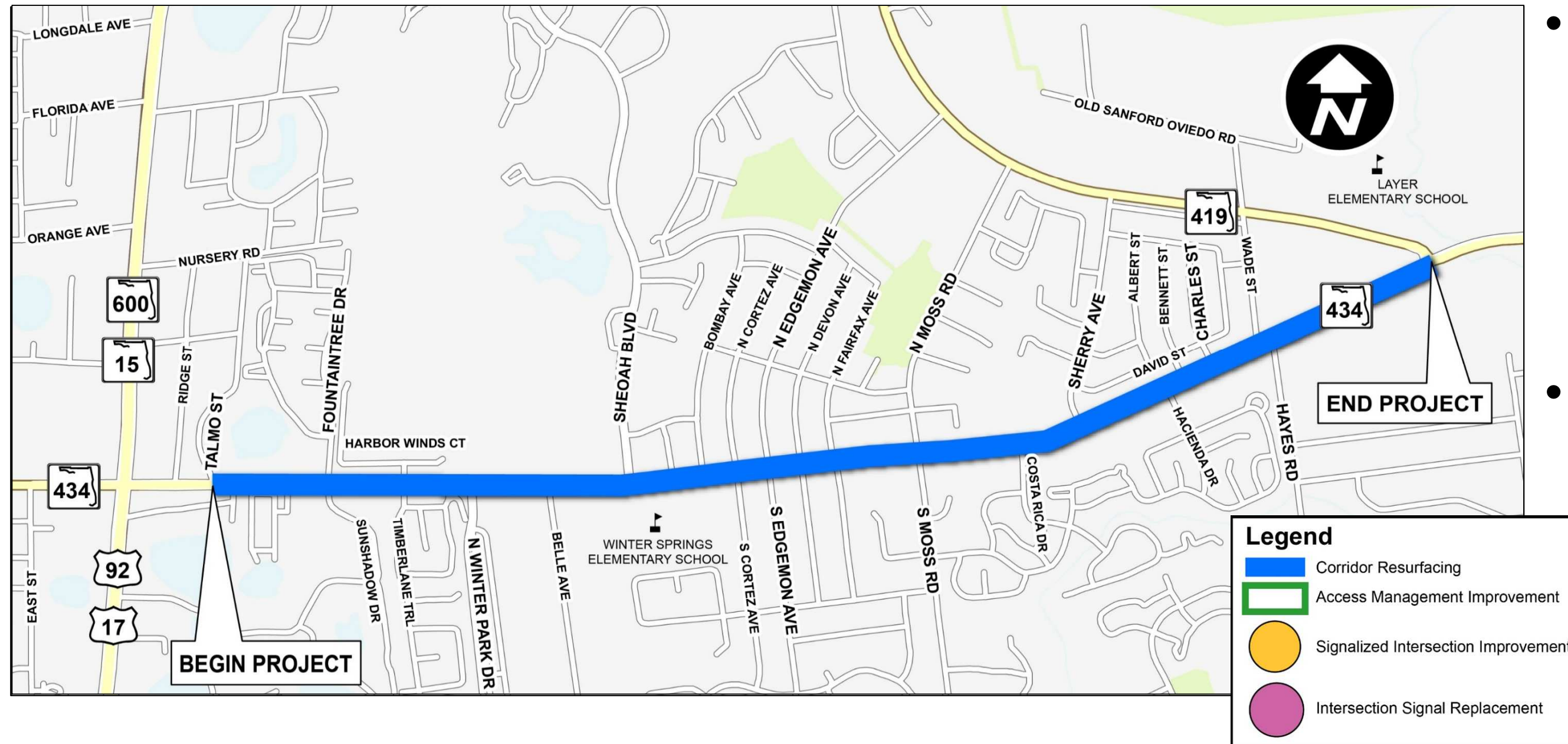
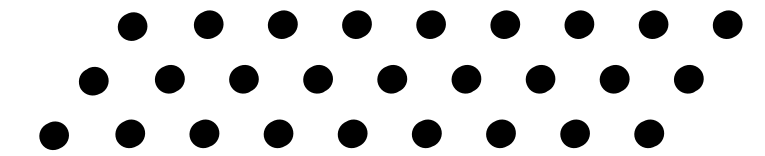
- Talmo Street to S.R. 419
- 419 total crashes
 - 154 rear end crashes (36.8%)
 - 65 left turn crashes (15.5%)
 - 61 sideswipe crashes (14.6%)
 - 47 angle crashes (11.2%)

- **Access Management statistics**

- Sheoah Boulevard to Charles Street
- 191 crashes occurred (46% of total)
- 45 crashes attributed to two-way left-turn lane



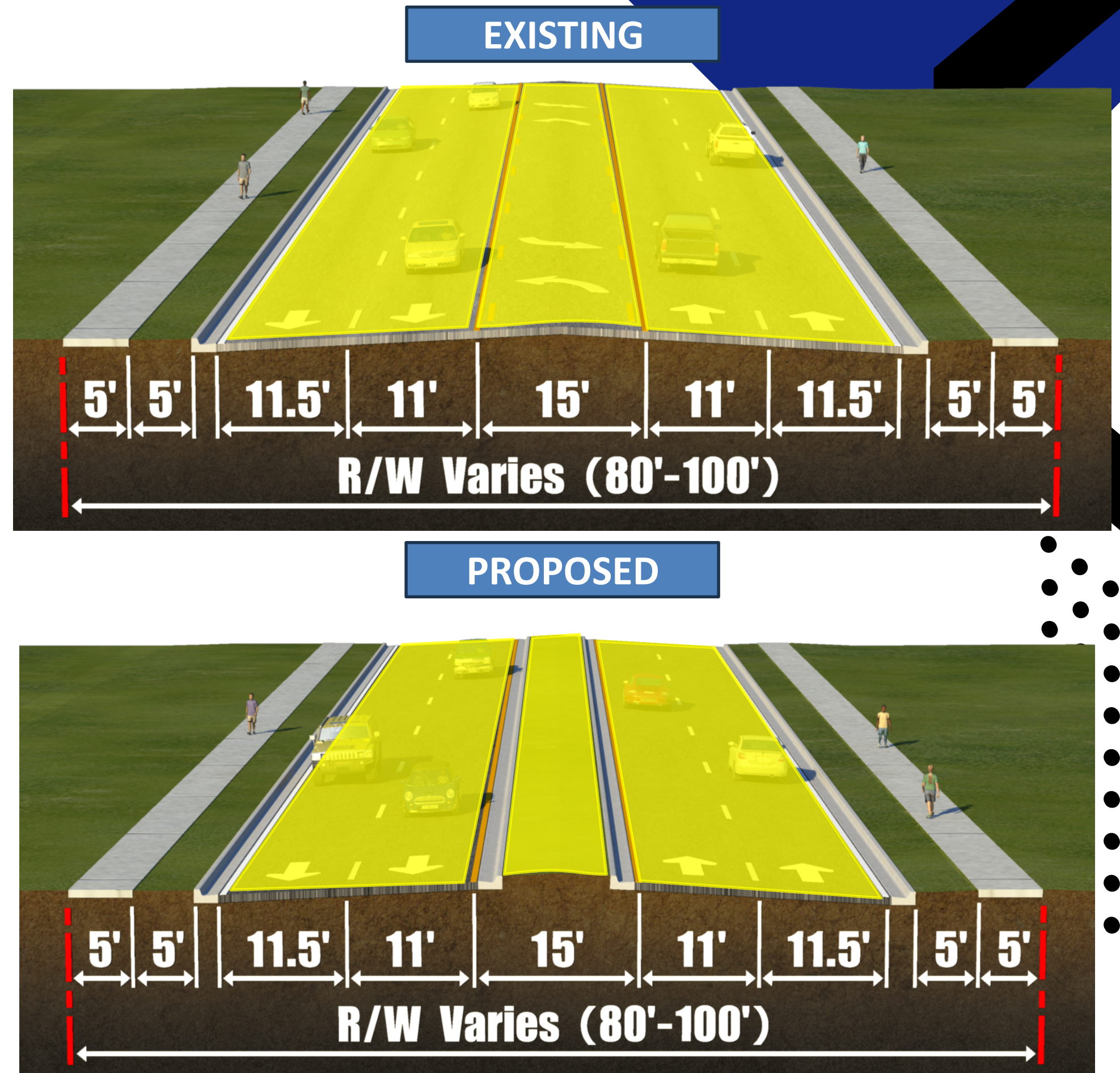
Proposed Improvements



- Resurface pavement, including:
 - Turn lanes
 - Center median
- Striping and pavement marking
 - Refreshed crosswalks

Access Management

- Two-way center turn lane replaced between Sheoah Boulevard and Charles Street
 - 15-foot raised median

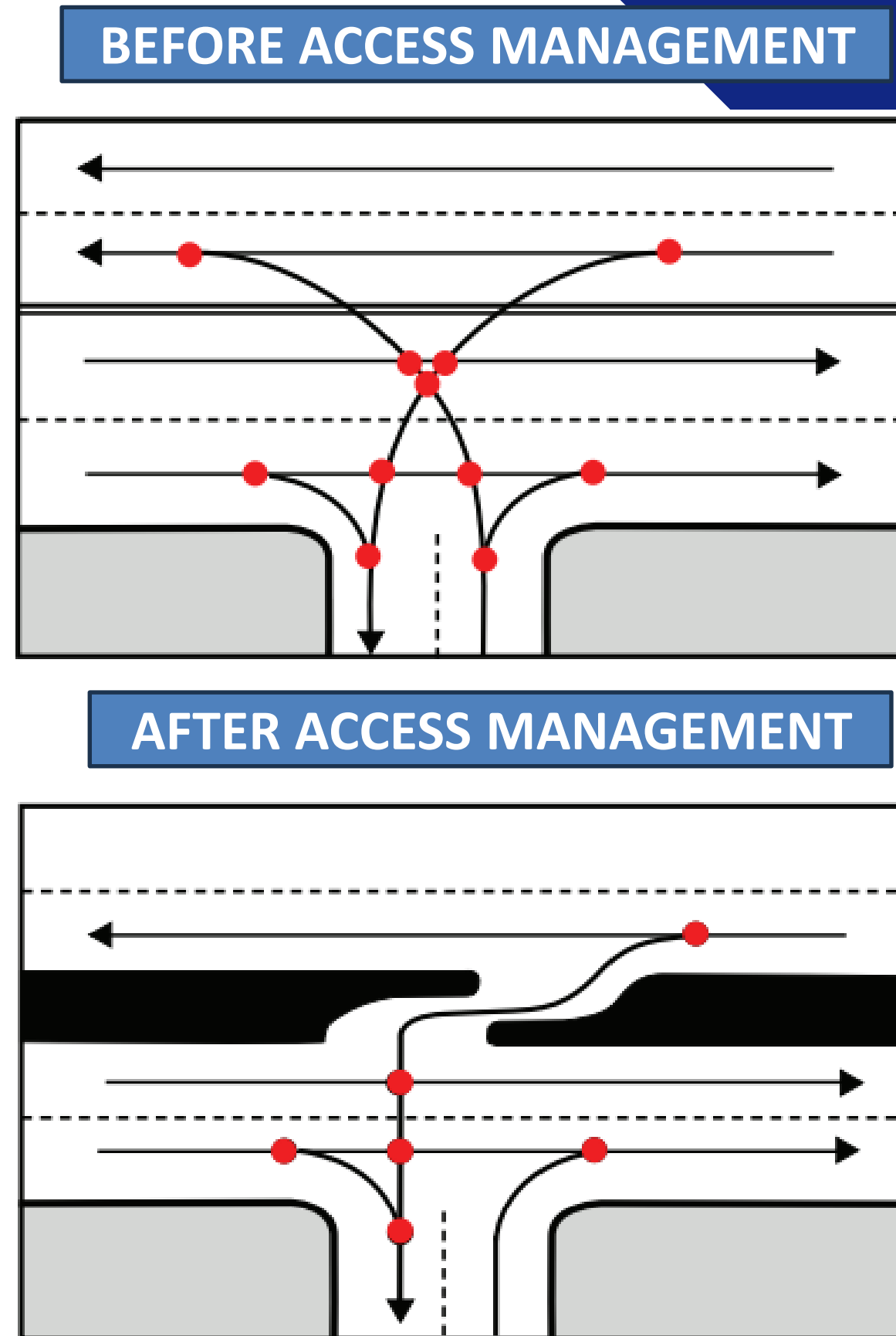


Access Management

Basic Principle of Access Management



- Before access management
 - More conflict points
- After access management
 - Reduced conflict points
 - Reduced crashes



Access Management Plan

- S

Signalized Intersections

 - Sheoah Blvd
 - Edgemon Ave
 - Moss Rd

D

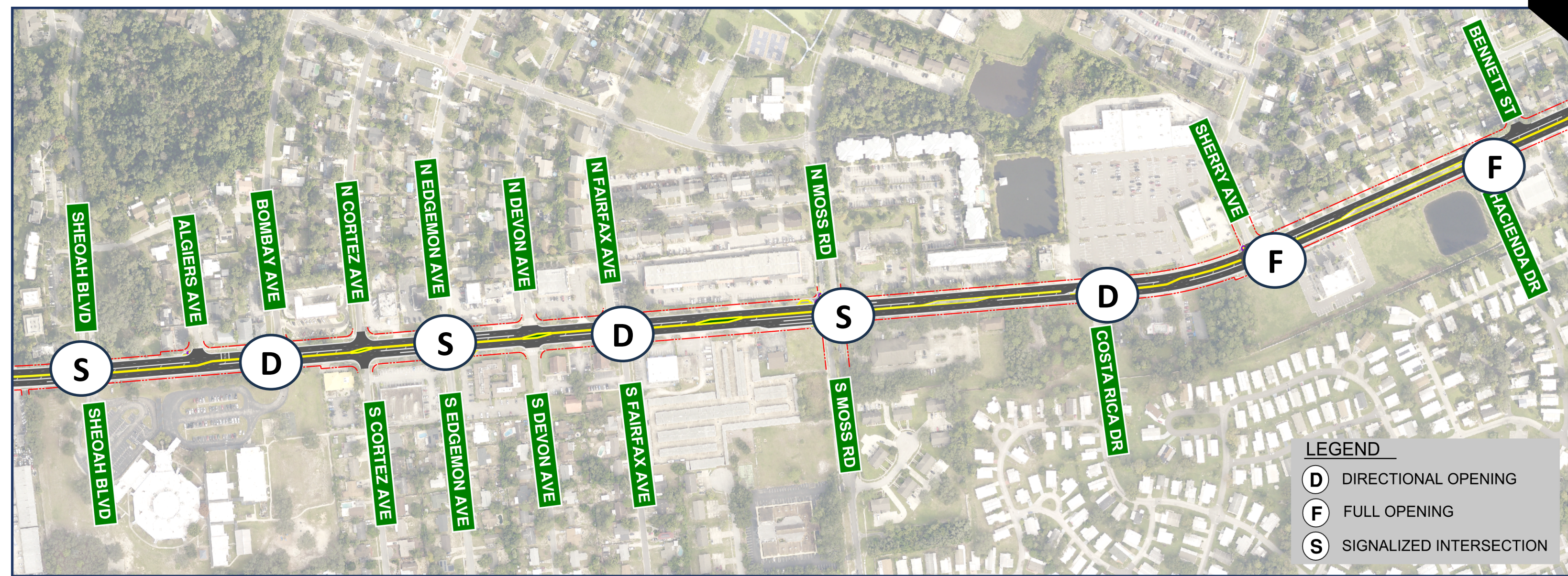
Directional Openings

 - Bombay Ave
 - Fairfax Ave
 - Costa Rica Dr

F

Full Openings

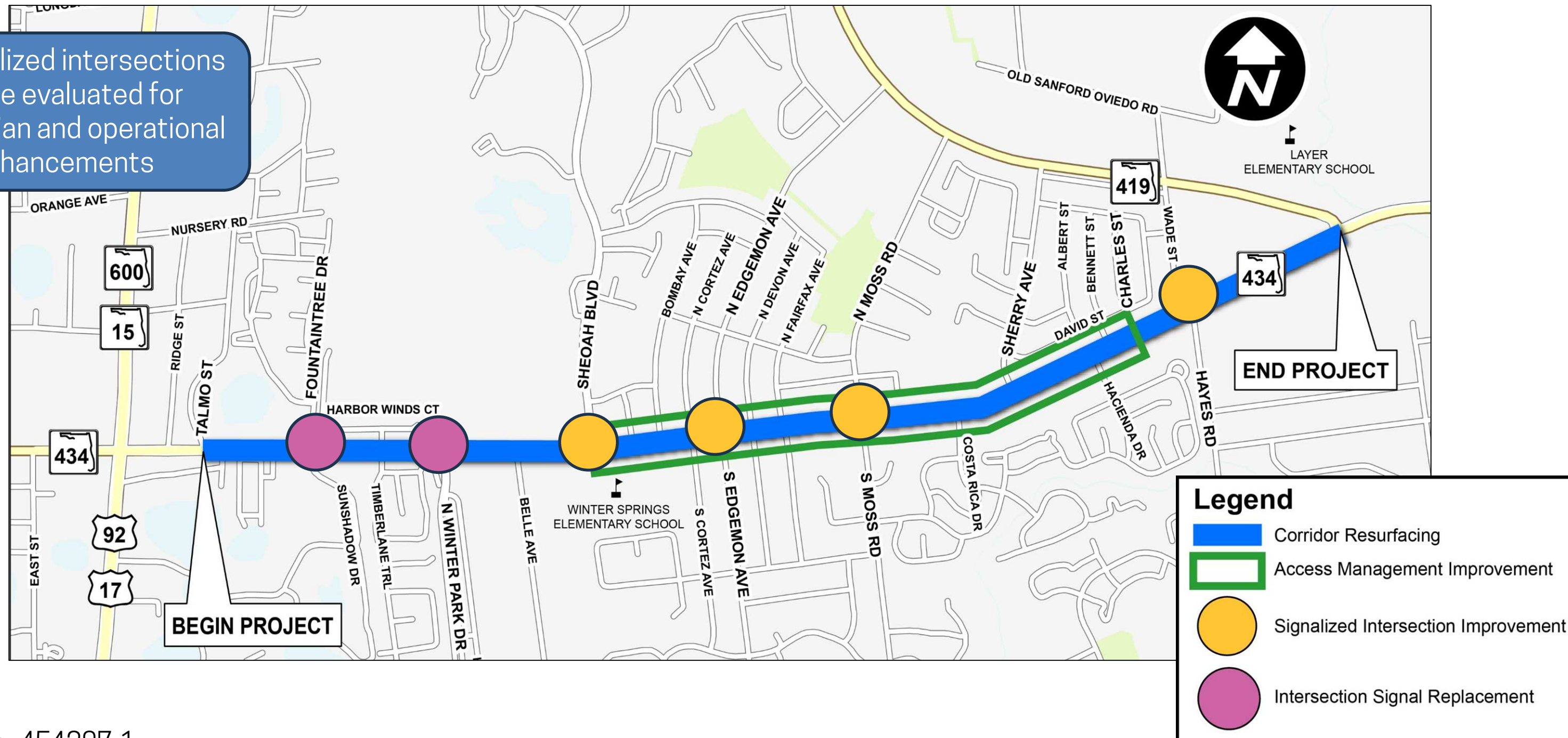
 - Sherry Ave
 - Hacienda Dr



Proposed Intersection Improvements

- Reconstruct signals
 - Fountaintree Drive/Sunshadow Drive
 - N. Winter Park Drive
- Signal enhancements
 - Sheoah Boulevard
 - Edgemon Avenue
 - Moss Road
 - Hayes Road

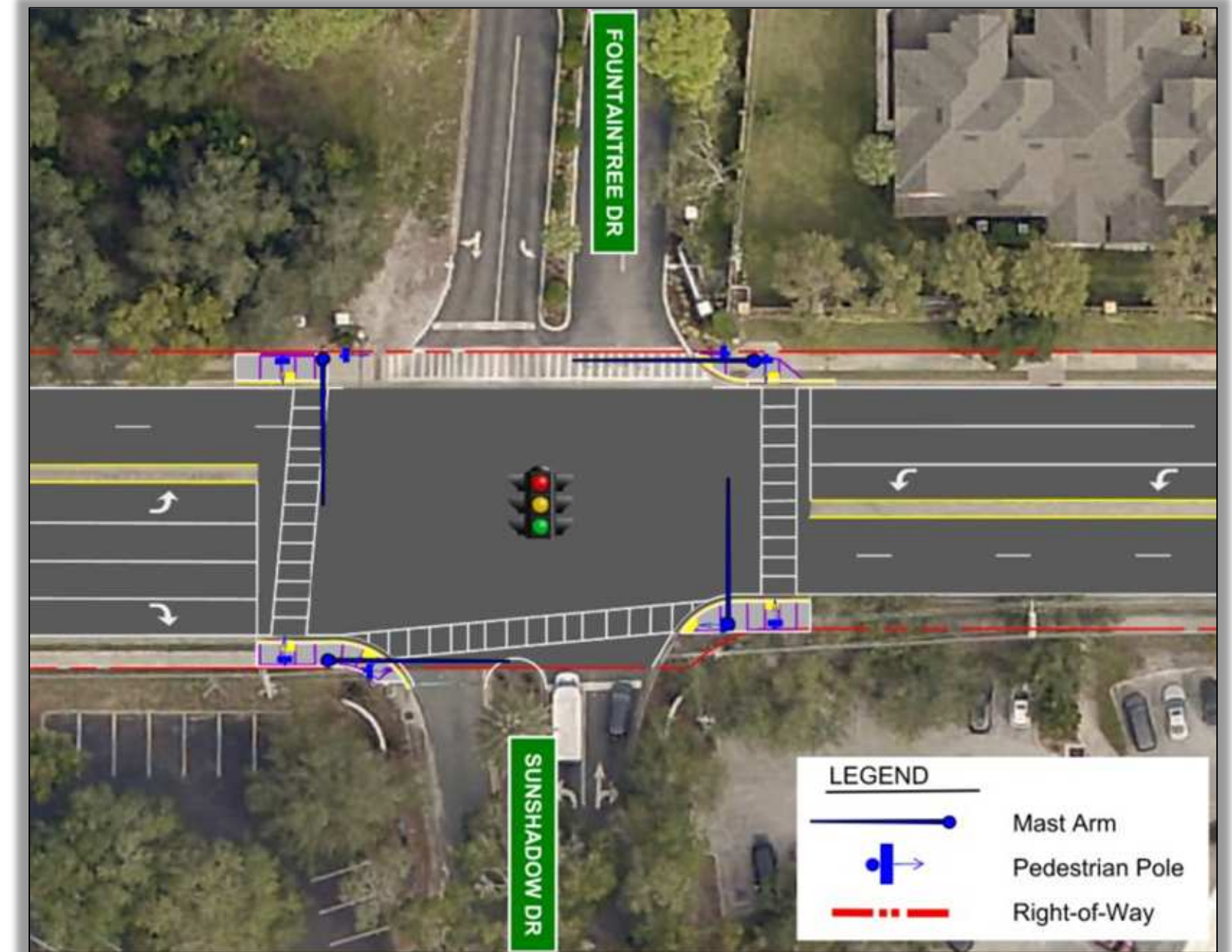
All signalized intersections will be evaluated for pedestrian and operational enhancements



Intersection Improvements

Fountaintree Drive/Sunshadow Drive

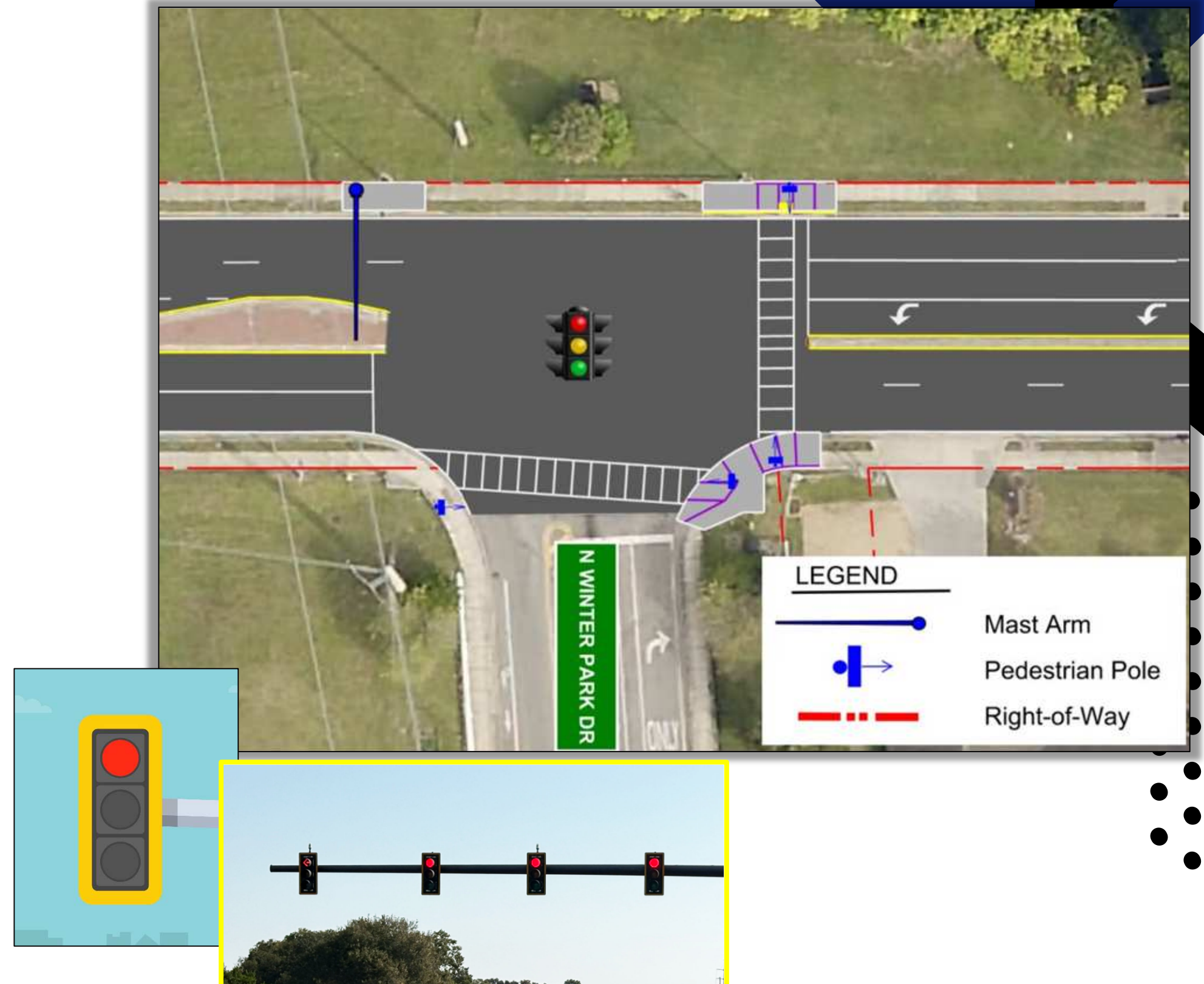
- Reconstruct all existing mast arm signals to support proposed safety improvements
- Provide flashing yellow arrow heads for eastbound and westbound left turns
- Replace pedestrian signals with Americans with Disabilities Act (ADA) compliant equipment
- Upgrade existing intersection lighting



Intersection Improvements

N. Winter Park Drive

- Reconstruct existing mast arm signal on the northwest quadrant to support proposed safety improvements
- The existing mast arms at the northeast and southeast quadrants will remain.
- Provide flashing yellow arrow heads for westbound left turns
- Provide flexible retroreflective backplates
- Upgrade existing intersection lighting
- Replace pedestrian signals with ADA compliant equipment



Existing Signal Upgrades

Signal Improvements

- Sheoah Boulevard, Edgemon Avenue, Moss Road, and Hayes Road
- Replace existing pedestrian signal with ADA equipment where modified
- Provide flexible retroreflective backplates
- Evaluate pedestrian signal timing based on field observations
- Design signal modifications for smart signal compatibility and future connected vehicle readiness



Detectable Warning Surface



Pedestrian Signal Timing

**Push Button
Crosswalk**



Flexible Retroreflective Backplates

Estimated Schedule & Costs*

Design – Completion Fall 2027

- Cost: \$1.6 million

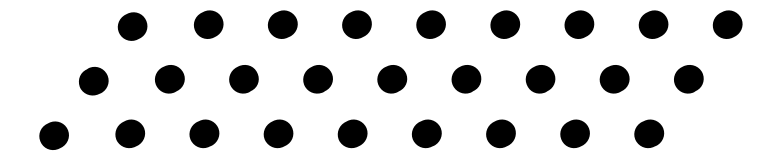
Right of Way – Within Existing

- Cost: N/A

Construction – To Begin Spring 2028

- Cost: \$10.4 million

What to Expect During Construction



- Lane closures will be needed
- At least one lane of travel open at all times
- Daytime and nighttime work possible
- Pedestrian detours
- Access maintained to properties and businesses
- Signal operations will be maintained during reconstruction

The FDOT will reach out to the community before and during construction to provide additional details and alert motorists to planned construction activities.



We Want to Hear Your Questions and Comments



- Speak with project team members during the open house
- Submit written comments in person or online
- Contact the project manager directly
- www.CFLRoads.com/project/454207-1

Contact the Project Manager

Ryan Frazier, P.E.



Ryan.Frazier@dot.state.fl.us



719 S. Woodland Blvd., MS 542
DeLand, FL 32720



386-943-5591



www.CFLRoads.com/project/454207-1

Title VI

Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability, or family status. Persons wishing to express concerns relative to FDOT compliance with Title VI may do so by contacting:



Melissa McKinney
District Five Title VI Coordinator
719 S. Woodland Blvd., MS 520
DeLand, FL 32720
386-943-5077
Melissa.McKinney@dot.state.fl.us

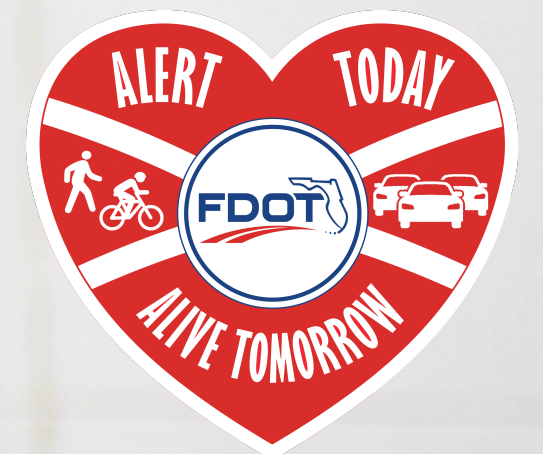
Lisa Bethancourt
State Title VI Coordinator
605 Suwannee St., MS 65
Tallahassee, FL 32399
850-414-4742
Lisa.Bethancourt@dot.state.fl.us

THINK AHEAD

You only have seconds to react when approaching an intersection. Over 30% of all traffic fatalities occur from intersection-related crashes*. Avoid distractions and stay alert so you're able to make a safe decision quickly.

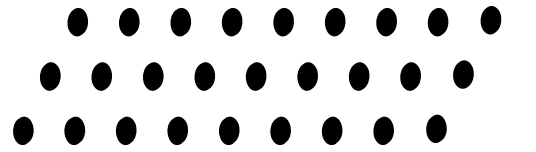
It Could Save Your Life.

*Sourced from the Florida Department of Transportation





THANK YOU



*Please submit written questions or comments by
Thursday, September 3, 2026.*