# FDOT D5 Transportation Safety

June 9, 2021

# FDOT Vision

"As one FDOT team, we serve the people of Florida by **providing a transportation network** that is well planned, supports economic growth, and has the goal of being congestion and **fatality free**".

**FDOT has adopted the Vision Zero target**

# Achieving Zero Fatalities & Serious Injuries

- **Data-driven approach**
- **Safe systems**
  - Recognizes people make mistakes & designs transportation systems to mitigate these
- **Holistic solutions**
  - Integrates all modes, engineering, education & enforcement

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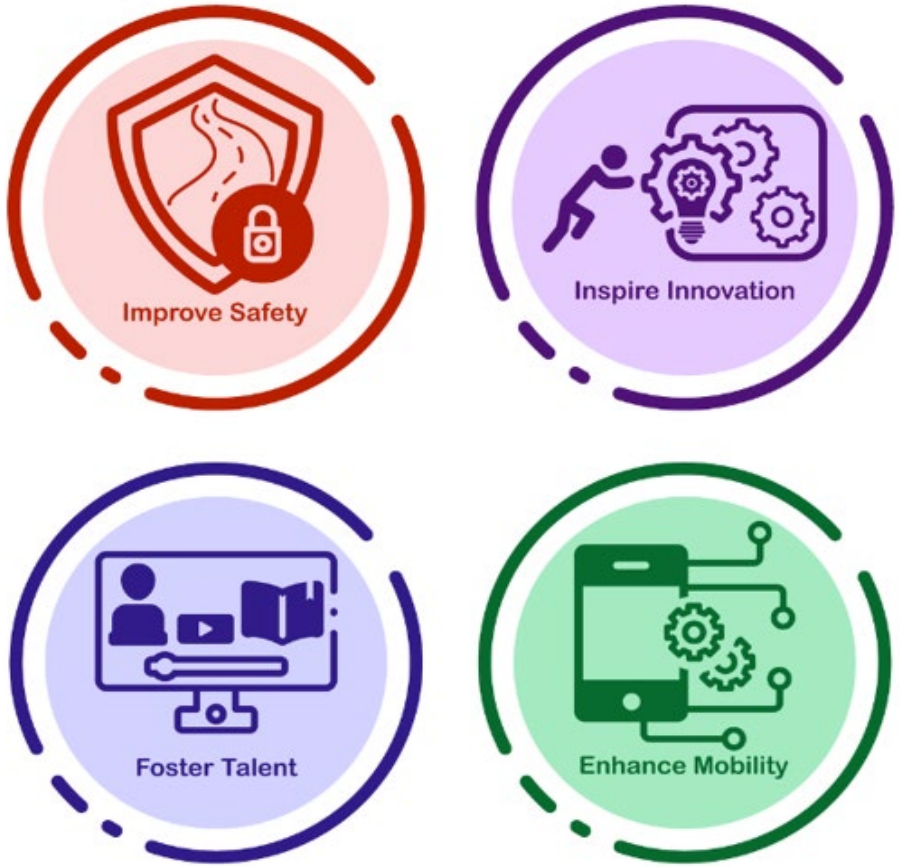
# FDOT's Vital Few




- Our mission is to provide a safe transportation system that ensures the mobility of people and goods, enhances economic prosperity and preserves the quality of our environment and communities.
- We should always strive to improve safety for all road users, enhance mobility for growing Florida, inspire innovation within the transportation industry and foster talent within our agency.

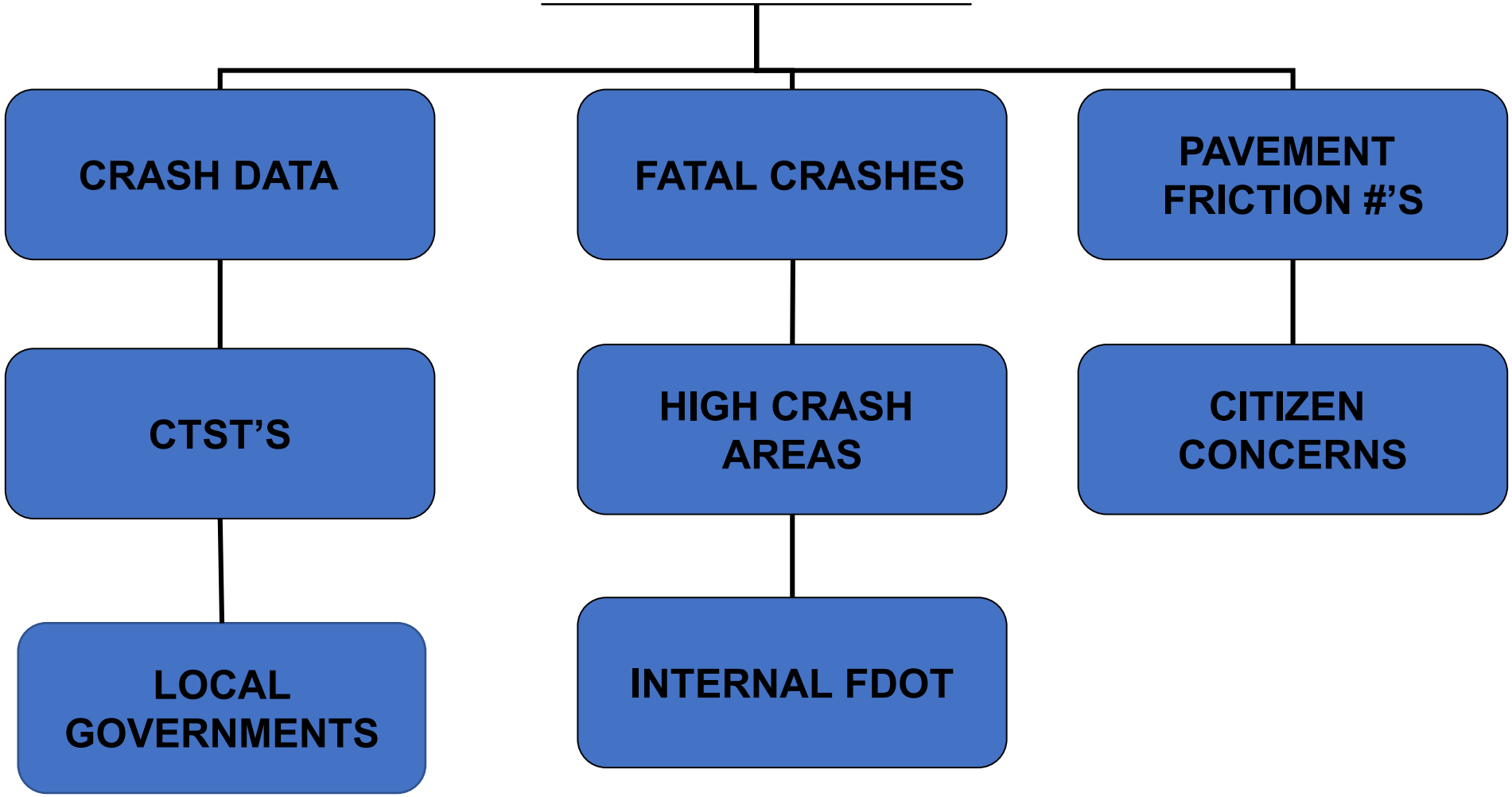
# Align

Integrate safety into
*all* of our program areas

# Highway Safety Improvement Program

- Projects must follow the HSIPG – Highway Safety Improvement Program Guidelines.
- Must follow the latest FDOT Work Program Instructions, Chapter 30.
- Must show a Crash Reduction that results in a good Benefit to Cost (B/C) ratio and a good Net Present Value.
- Must address a focus area of Florida's Strategic Highway Safety Plan (SHSP).
- All potential projects are submitted to the State Safety Office for eligibility review.

# HSIP Safety Project Origins

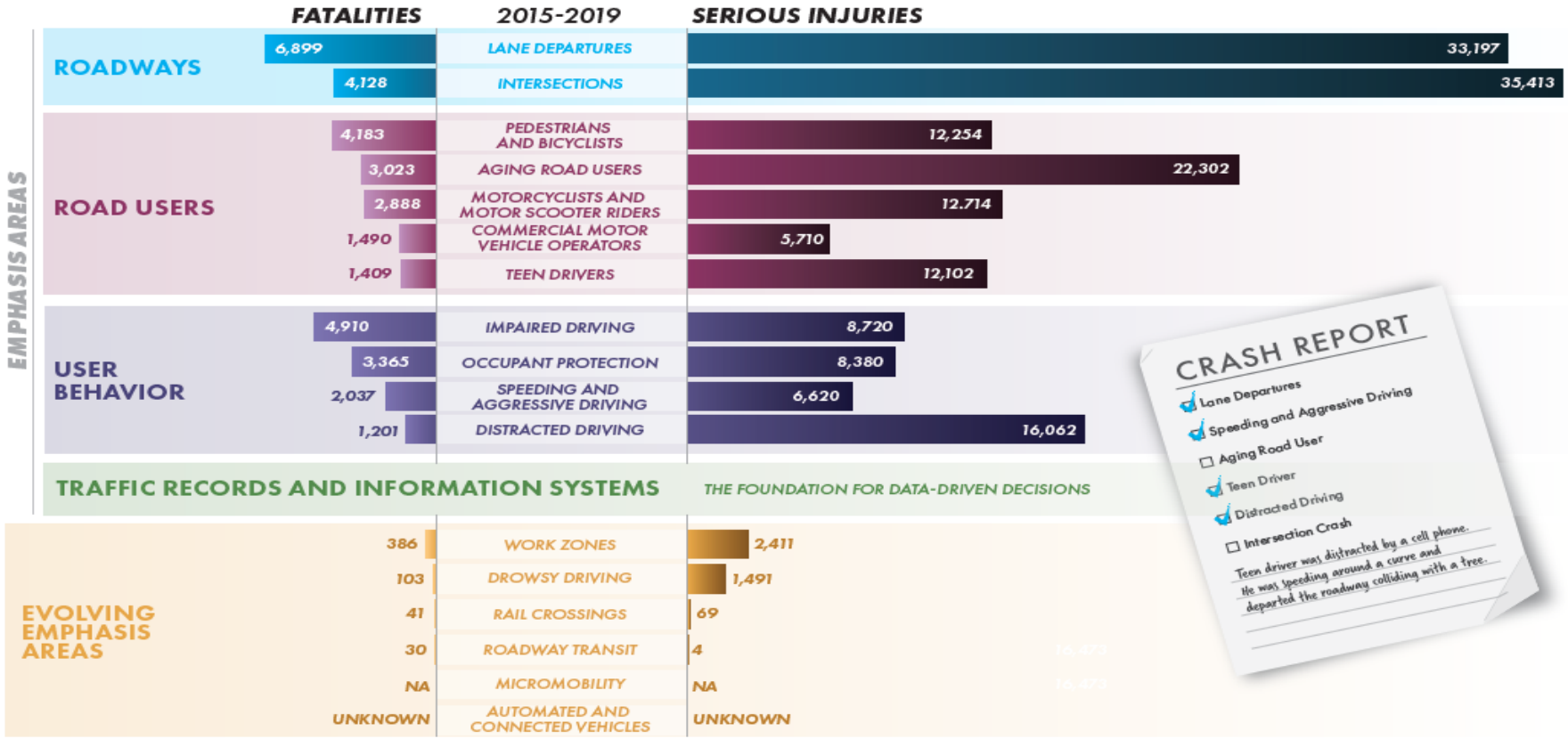


# Florida's SHSP

# SHSP Emphasis Areas

## OUR EMPHASIS AREAS

Factors contributing to a crash typically involve three components: characteristics of the roadway; characteristics of the road user, including demographics and mode of travel; and behavior of the road user. Crashes rarely have a single contributing factor. Based on 2015 to 2019 crash data, we identified the top contributing factors and organized our emphasis areas into three categories – Roadways, Road Users, and User Behavior – supported by traffic records and information systems and accompanied by an additional category for evolving safety issues.



RIVER TO SEA TPO

# Types of Federally Funded HSIP Projects

- Left-turn lanes
- Right-turn lanes
- Traffic signals
- Intersection Improvements
- Median modifications
- Highway lighting
- Adding raised medians
- Roundabouts
- Pedestrian and Bicycle Enhancements.
- Safety Enhancements on Resurfacing Projects
- Skid hazard resurface
- RCut Intersections
- Paved shoulders
- Roadside hazard mitigation
- Audible and Vibratory Pavement Markings
- Wrong Way Driving (WWD) mitigation Interstate/Arterial

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# Typical Off-System Safety Projects

- Designed and Constructed through the FDOT LAP Program (agency must be LAP certified).
- Must address SHSP focus area and have a good Benefit to Cost Ratio (B/C) and Net Present Value (NPV).
- Will consider already designed local projects as long as they meet safety project criteria.
- No R/W acquisition.
- Potential projects brought up through CTST's

# On System Projects - Highlights

- 445690-1 SR A1A In Beverly Beach/Camptown RV Resort, Center Median/Ped enhancements. FY 23 $1.315M
- 443512-1 SR A1A Six Mid-Block Pedestrian Crossings in Ormond Beach, FY 23 Cost TBD
- 441414-1. SR 15A Access Management in DeLand, FY 21 $1.946M
- 447698-1 US 92 at Lockhart Street PHB (Bethune-Cookman) FY 26 $530K
- 445716-1 US 17, from SR 15A to Ponce Deleon Blvd Access Management , FY 24 $4.256M

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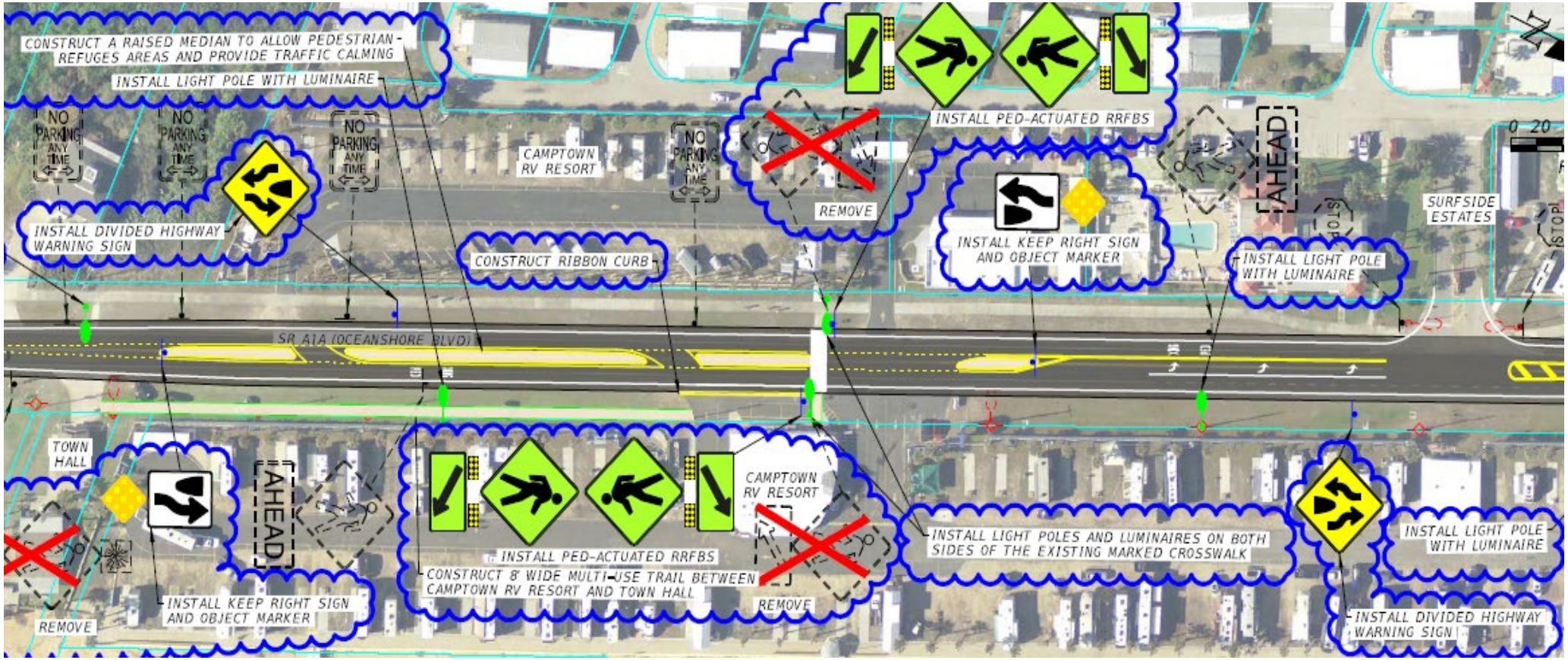
# Off System /LAP Safety Projects - Highlights

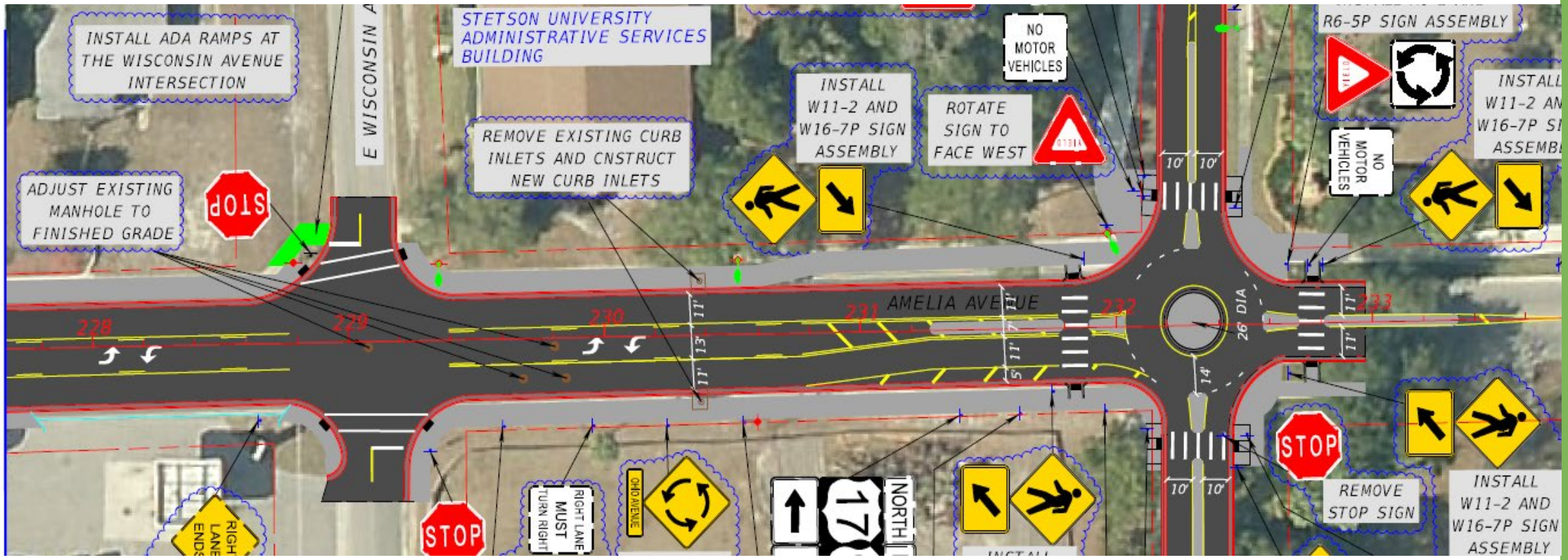
- 441389-1 Amelia Avenue lane reproposing/wider sidewalk/Roundabout project in DeLand, FY 22 $2.5M. Volusia County Lead Agency.
- 443545-1 Graves Avenue from Veterans Memorial Parkway to Kentucky Ave Turn Lane/Safety Project, FY 22 $952K
- 441396-1 CR 4164 (Osteen-Maytown Road) lane departure project, FY 22 $1.442M

# 445690-1 SR A1A Beverly Beach



# Amelia Avenue Existing Conditions

# Amelia Avenue Lane Repurposing



# US 92 Mainland High School PHB

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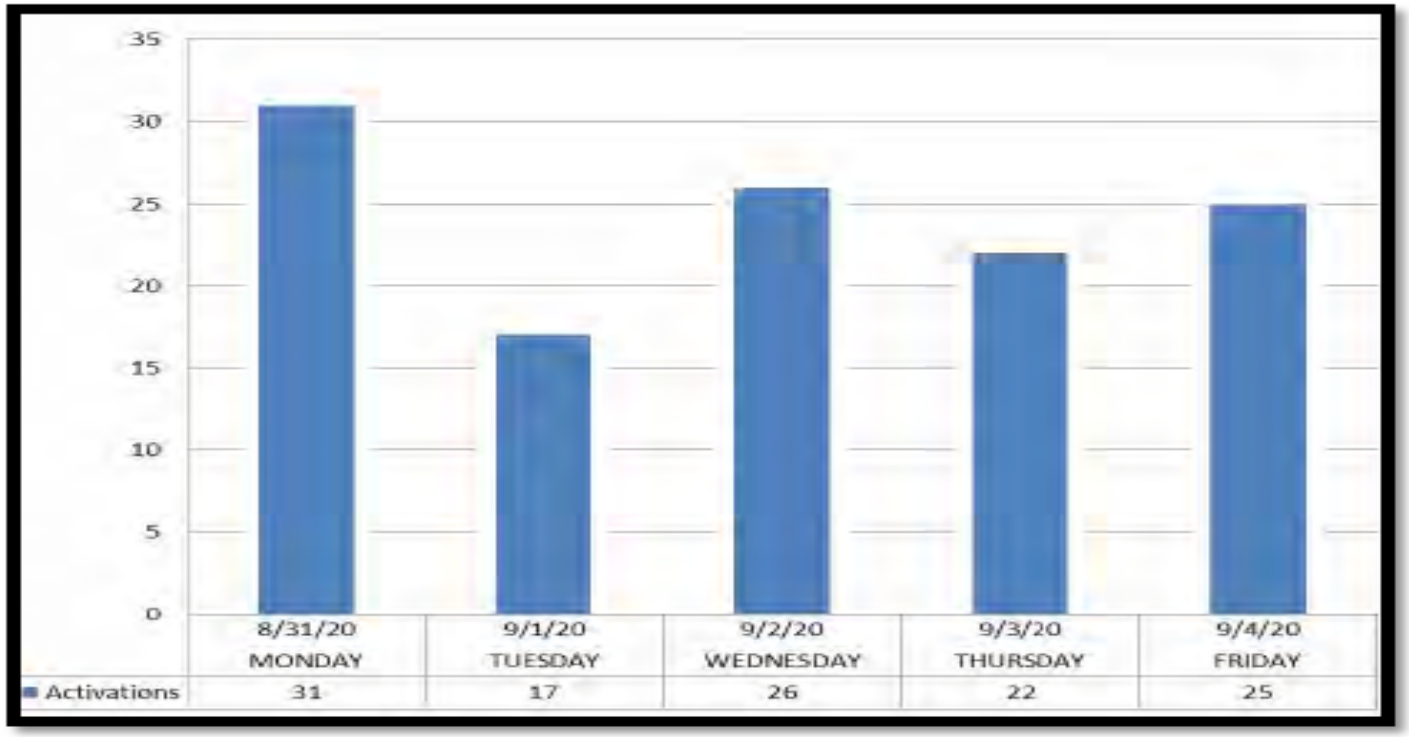
**Chart 1**
**Signal Activations per Day**
**U.S. 92 at Mainland High School Pedestrian Hybrid Beacon**




**Number of activations of the signal does not necessarily equate to number of pedestrian crossings.*

# 442874-1 State Road A1A Resurfacing

- Pedestrian Safety Study from Neptune Drive to Coquina Key (6.4 miles). Improvements will be included in upcoming resurfacing project.
- Upgrade signing and markings throughout corridor
- Upgrade existing mid-block crosswalks to include traffic calming, RRFB's or alternative and lighting
- Install new crosswalks to include traffic calming, RRFB's or alternative and lighting.
- Fiscal Year 2023

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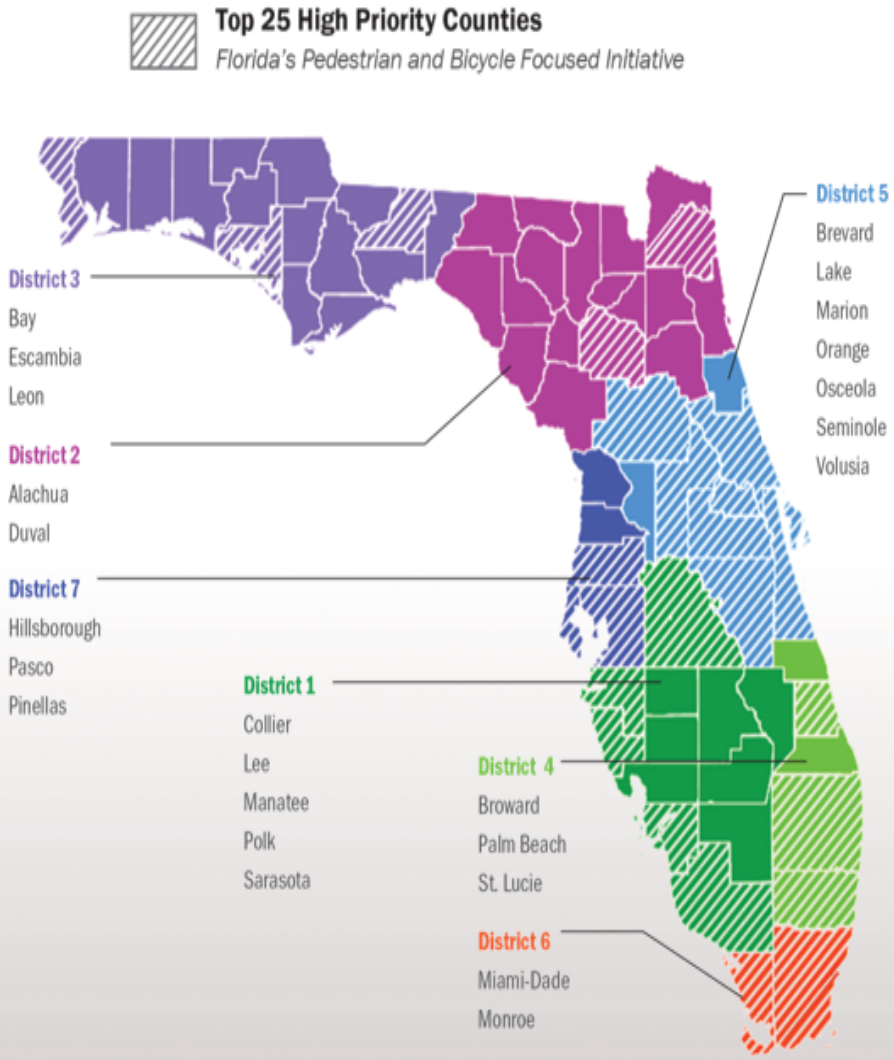
# Community Traffic Safety Teams (CTST)

- East Volusia, West Volusia and Flagler CTST's.
- Multi-jurisdictional team that Identifies traffic safety issues, formulates solutions and coordinates efforts to achieve the goal of reducing the number and severity of crashes.
- Integrating the 4 E's (Engineering, Enforcement, Education Emergency Services) to solve local safety issues.

# High Visibility Enforcement Program

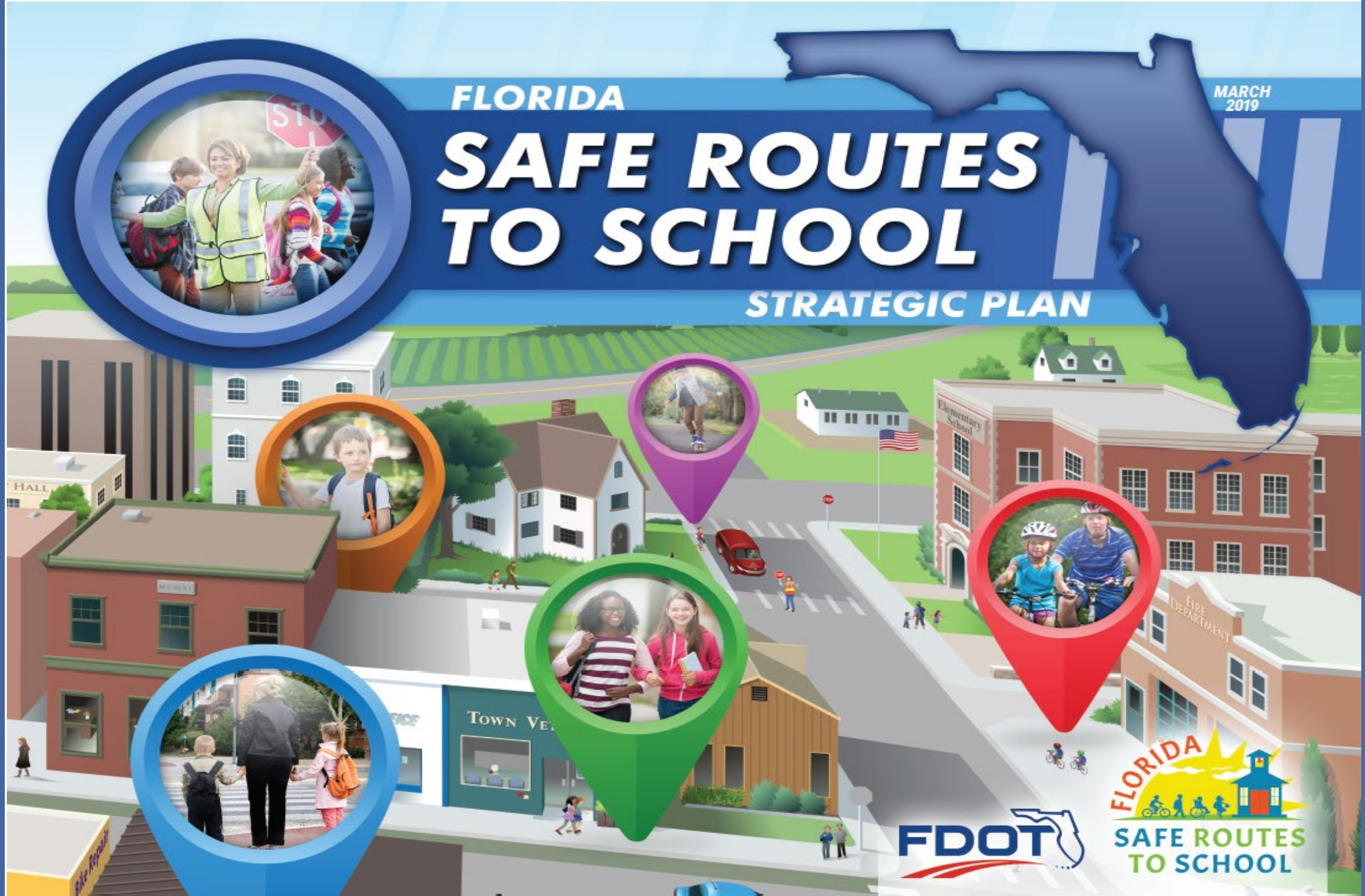
- FDOT provides funding for law enforcement agencies to conduct ped-bike enforcement in the Top 25 High Priority Counties
- Target unsafe behaviors of motorists, pedestrians, and bicyclists
- Pays for officer overtime hours to conduct enforcement operations
- July 2020 through May 2021



# HVE Program Funding FY 2020 - 21

- Daytona Beach Police Department $29,788
- Ormond Beach Police Department $17,376
- Port Orange Police Department $14,894

- **2020-21 Program**
  - Contracts have been approved and funding awarded
  - Agencies conducting HVE through May 2021
  - FDOT/IPTM will use the iPASS system to track agency participation
  - Final report summarizing efforts and outcomes - July 2021
- **2021-22 Program**
  - Analysis underway to identify HVE segments in the Top 25 Counties
  - Applications currently being accepted
  - FDOT/IPTM will use the iPASS system to track applications


FLORIDA
SAFE ROUTES TO SCHOOL
STRATEGIC PLAN
MARCH 2019
FDOT
FLORIDA
SAFE ROUTES TO SCHOOL

# Florida Safe Routes to School Program

Sustained efforts by parents, schools, community leaders and local, state, and federal governments to improve the health and well-being of students by enabling and encouraging them to walk and bicycle to school

srtsfl.org

floridasrts.com

wellflorida.org/blog/florida-safe-routes-to-school

hpcnef.org/programs/safe-routes-to-school-northeast-florida

cfgis.org/HostedCFGIS/SRTSWeb/home.html

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- Thank You
- Questions

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