



# BICYCLE & PEDESTRIAN ADVISORY COMMITTEE (BPAC)

**Public Meeting - 10/6/2022**

Ed Ball Building, First Floor Training Room

Online via MS Teams platform – link at [coj.net/pedbike](https://coj.net/pedbike)

# ABOUT US

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- BPAC advocates for bicyclist and pedestrians in Jacksonville.
- We do not consider ourselves a special interest group. We fight for the rights and safety of ALL citizens living in and visiting the City of Jacksonville who touch foot upon these streets. That includes but is certainly not limited to: people who ride bikes of all types; people who find themselves walking within urban core town centers, corporate centers, and neighborhoods; and especially our children who play in our neighborhoods and walk and bike to school. So, as it is, this issue pertains to absolutely everyone.



5:30 - 5:40 PM

Introductions and Adoption of Minutes

5:40 – 6:15 PM

**Presentation:**

Safe Routes to School Project Experience

*Patti Sistrunk, PM at AECOM*

6:15 – 6:50 PM

**Presentation:**

Discussion of Funding Options for Bike-Ped Projects

*Laurie Santana, Transportation Planning Division Chief, City of Jacksonville*

6:50 – 7:00 PM

Wrap-up & Discussion of Future Meetings

Adjourn

# 10/6/22: AGENDA

The background of the slide is a photograph of a group of students riding bicycles on a paved path. The students are wearing backpacks and helmets. The image is slightly faded and overlaid with a large green circular graphic on the left side.

# Safe Routes to School & School Transportation

October 6, 2022

Adam Purcell and Patti Sistrunk



## Transportation Demand Management Practice

# Safe Routes to School

# What is SRTS?



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Georgia Safe Routes to School Resource Center

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## Safe Routes to School

Programs that enable and encourage more children to walk and bicycle to school when and where it is safe.

Where it is not safe, we engage school and community partners to make it safer through strategies, resources, programs, and technical assistance.

*No two schools or communities are the same, so no two local SRTS programs/plans are the same.*



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# Safe Routes to School

Environment

Safety

Community

Health





# SRTS Operations

Our Approach to SRTS

*How we roll (and walk)!*

# AECOM's TDM SRTS and School Transportation Projects



# AECOM's SRTS Teams

- Transportation Demand Management (TDM) Group
- Full-time School Engagement Teams
  - Multi-disciplined, diverse backgrounds and skillsets
  - Subject-matter experts
- Approach
  - “Boots on the Ground” approach
  - Relationships and Engagement
  - Resources



# Partnership Program and Network

- **School Partners**

- 2,000+ across various programs
- Customized and flexible goals
- Milestones, awards, recognition
- Levels toward sustainability

- **Stakeholder Networks**

- Collaboration
- State, regional, local entities
- Varied organizations
- Support to schools/communities
- Localized specialties



## TASK FORCE FORMATION

A SRTS taskforce can **streamline student transportation planning** and help troubleshoot school and parent concerns by enlisting the expertise of school district, municipal, and parent stakeholders. Hosted by an individual school or at a district level, a SRTS taskforce can assist with engineering, communication/encouragement, education, regulatory and informational signage, and policy.

# Comprehensive Approach

SRTS Programs uses the **Six E's** to guide statewide efforts



EDUCATION



ENCOURAGEMENT



ENGAGEMENT



EVALUATION



ENGINEERING

NON-INFRASTRUCTURE

INFRASTRUCTURE

**EQUITY**

- ENCOURAGEMENT
- EDUCATION
- ENGAGEMENT
- EVALUATION
- ENGINEERING

**EQUITY VS. EQUALITY:** Understanding the difference can *make all the difference*.

Equality is treating everyone the same.



Equity is giving everyone what they need to be successful.



# Comprehensive Approach

## Engagement

- Parent involvement materials
- Meeting facilitation, support
- SRTS policy guidance
- Student Safety Patrol materials
- Crossing Guard training, resources

## Evaluation

- Parent Surveys and Travel Tallies
- Arrival/Dismissal Observation
- Walk Audit

## Engineering

- RSAs, Walk Audits, etc.
- Signs & Lines Projects
- Infrastructure improvement

## Encouragement

- Bike Train/Walking School Bus
- Flagship Events
- Walk/Bike to School Day
- Walking Wednesdays
- Incentives and materials

## Education

- Bike and Ped Safety Training
- Ped Safety Curriculum for PE
- On-Bike Curriculum & Bike Rodeos
- Lesson Plans
- Materials and resources





# Programs

Engagement, Events,  
Encouragement, Education,  
Evaluation

# Evaluation - SRTS

- Travel Surveys

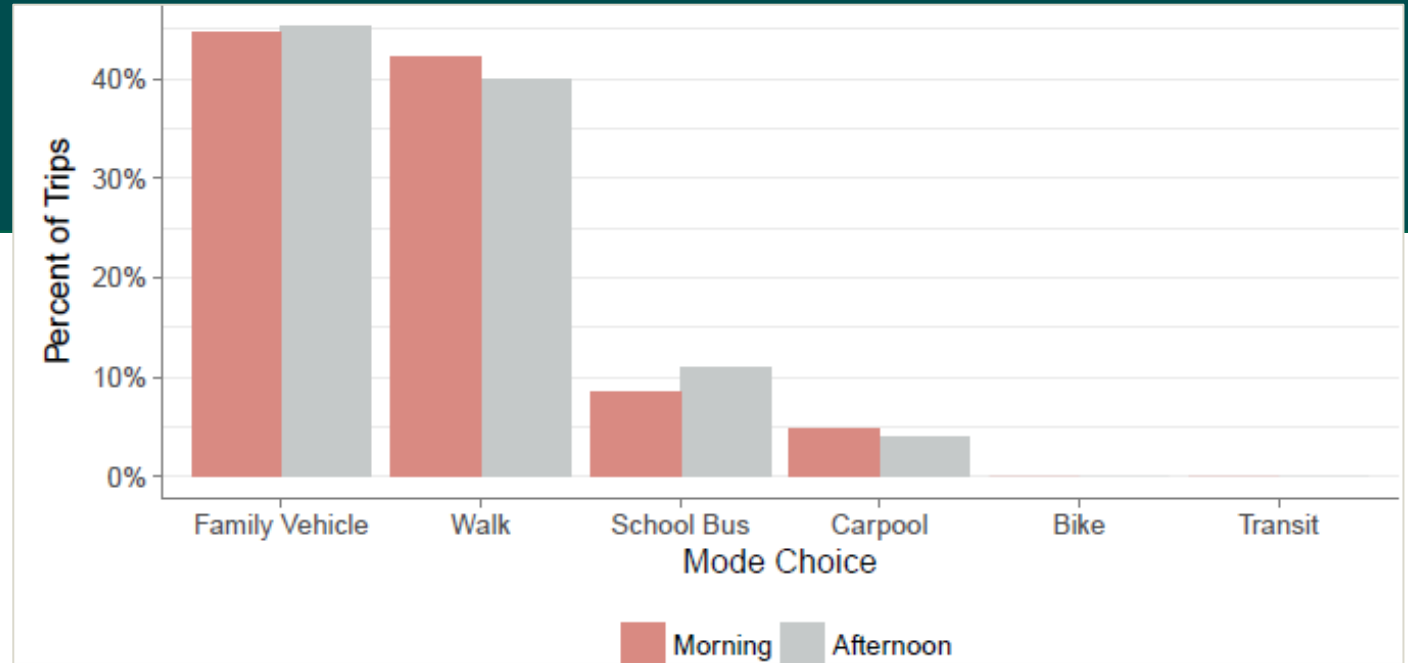
- Statewide and regional assessments
- Parent/guardian surveys
- Mode data

- Annual school partner surveys

- Event follow up surveys

- Map surveys

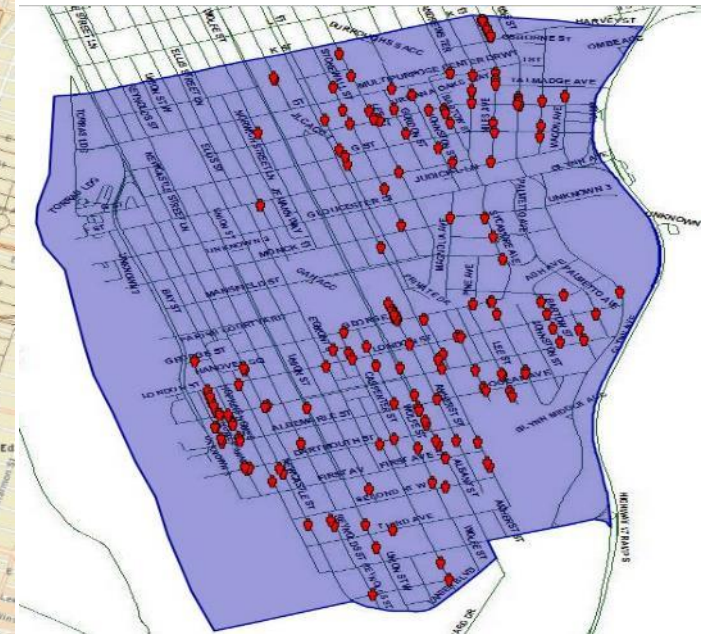
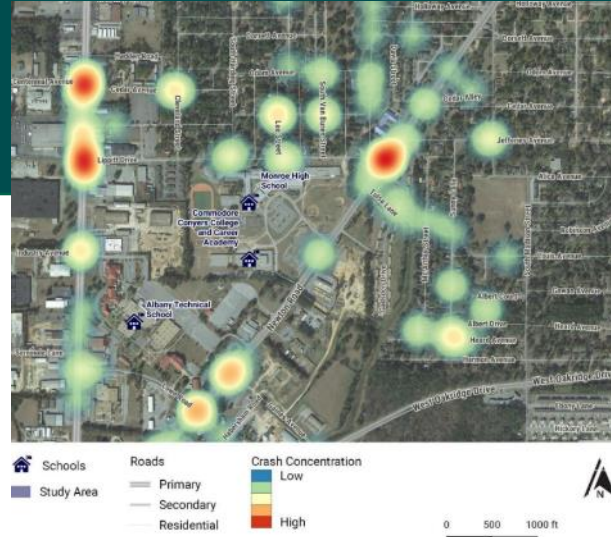
- GIS
- Traffic Counts
- Crash data





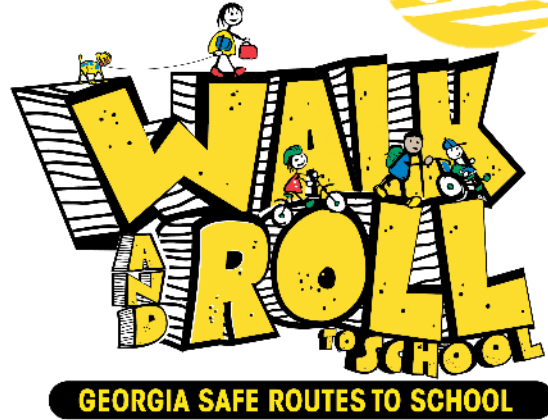
# GIS, Mapping, Data

- Walk/bicycle routes
- Student locations
- Crashes
- Mapping barriers to SRTS
- Arrival/Dismissal procedures
- Heat maps/distance
- Walk/bikesheds
- Crime statistics
- School zones/districting



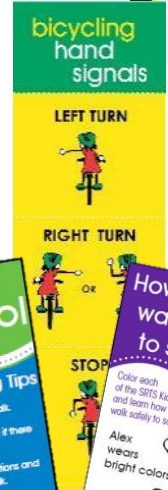
# Encouragement & Events

- Walking School Buses
- Bicycle Trains
- Park & Walk
- Route Launch
- Community involvement
- Promotions
- Events
  - “Try It” Days – iWalk!
  - Crossing Guard Appreciation Events
  - Awards & Recognition
  - Learning Events



# Marketing

- Incentives
- Event materials
- Websites
- Social Media
- Print materials
- PSAs



# SRTS Bike/Ped Programs & Education

## PURPOSE

- Safety focus
  - Limiting bicycle and pedestrian crashes
  - Limiting injury/death
- Key component of SRTS Programs
- Driver safety (Bike/Ped awareness) education

## CHILD BIKE/PED SAFETY EDUCATION

- Classroom Education
- Safety materials (e.g., bookmarks)
- Videos and online resources
- Skills practice
- Bicycle Rodeo
- Group rides/Try the Route
- Assemblies
- Community event
- Table/booth



# SRTS Bike/Ped Programs & Education - FLORIDA

POLK TPO Project  
[www.PolkSafety.org](http://www.PolkSafety.org)



**SAFE SCHOOL KIDS**

## SAFETY TIPS

- Wear reflective or bright clothing. Wear your helmet when riding a bicycle or scooter.
- Carry a flashlight. Have lights on your bike.
- Know where you're going and plan a route ahead of time with an adult. Stick to the route.
- Walk and bike with an adult or tell an adult where you are going. Travel with friends.
- Know the rules of the road. Look left, right, left before you cross the street or driveway.
- Cross at intersections and use crosswalks.
- Use sidewalks or pathways. Walk facing traffic or bike with traffic.
- Make eye contact with drivers, and make sure they see you.

**Bicycle & Pedestrian Safety**

- Third Grade Bicycle Safety
- Fourth Grade Bicycle Safety
- Fifth Grade Bicycle Safety
- Third Grade Pedestrian Safety
- Fourth Grade Pedestrian Safety
- Fifth Grade Pedestrian Safety

**SAFE SCHOOL KIDS**

**3-5 GRADES**

**INFORMATION**

The Instructor Kits identify recommendations for staff and materials, links to supporting resources, and summarized lesson content. The Instructor Kits draw from a range of bicycle and pedestrian safety education best practice materials including FDOT's Safe Routes to School Program. The Kits in the 3-5 section provide lessons targeting Florida Education Standards in those grade levels.

## DON'T BE A DISTRACTED DRIVER

Thinking Distance / Braking Distance

Speed	Thinking Distance	Braking Distance	Total Distance
20mph	20ft	20ft	40ft (3 Car Lengths)
30mph	30ft	45ft	75ft (6 Car Lengths)
40mph	39ft	79ft	118ft (9 Car Lengths)

**SAFE SCHOOL KIDS**

## Bicycling Hand Signals

**LEFT TURN**

**RIGHT TURN**

OR

**STOP**

**PolkSafety.org**



# Engineering & Planning

Infrastructure work related to  
school transportation

# School Road Safety Audits

- Similar to traditional RSAs (FHWA and state DOT models)
- School-focus
- State and local roadways
- All modes – emphasis on Ped/Bike
- Crash data and traffic counts including bike/ped

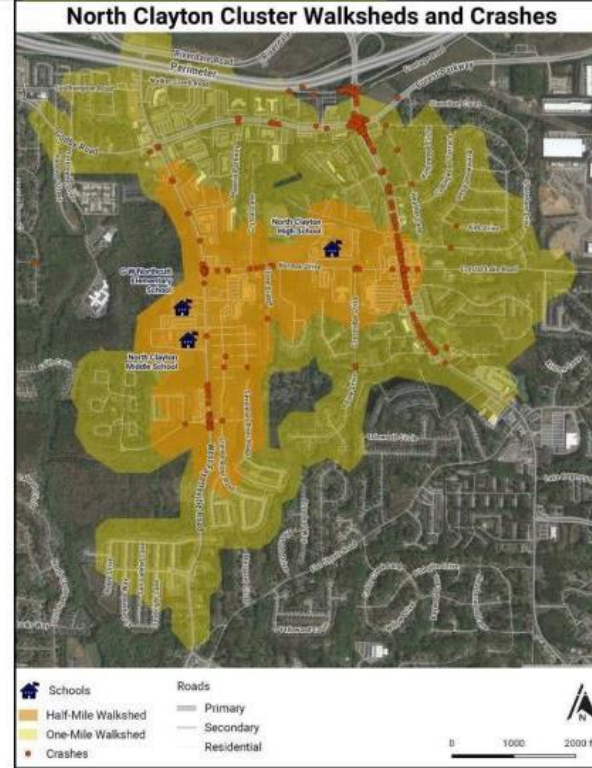
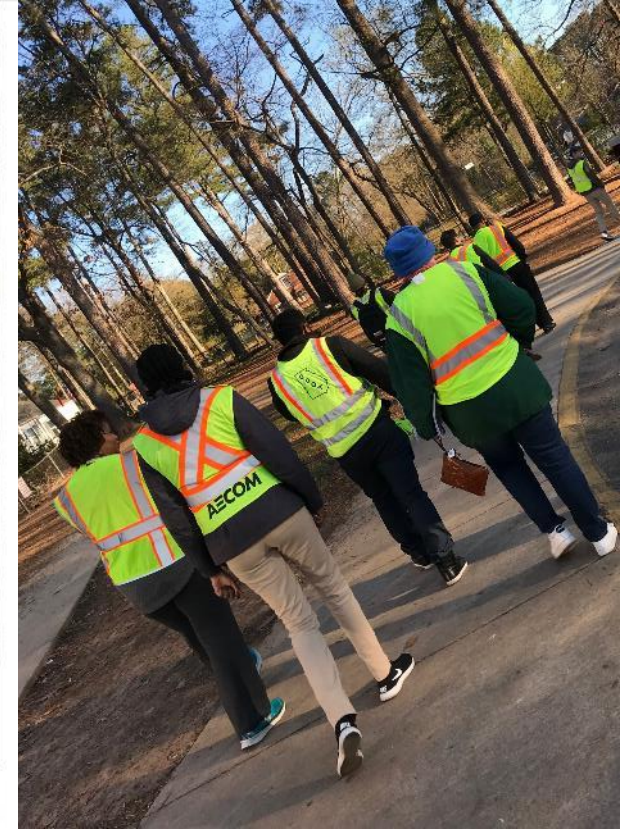


Figure 7. North Clayton Cluster Walksheds and Crashes - Crashes within 1/2 mile circular area of each school occurring January 1, 2014 – December 31, 2016 on weekdays between 6:00 AM – 6:00 PM, Georgia Electronic Accident Reporting System (GEARS) accessed October 2017. Additional crash information is available in Chapter 4.



# Arrival and Dismissal Observations



## Safe Routes to School Arrival/Dismissal Observation

**Dates of Observation:**  
 September 15 & 22, 2021  
 Bellamy Middle School  
 Chicopee Public Schools  
 314 Pendleton Ave, Chicopee, MA 01020

## Arrival Observations: Photos



A car doing a U-turn in Old Pendleton Avenue



A bus exiting the bus lane with a car approaching



The car line at 7:30



# School Walk Audits/ Bike Audits



## Safe Routes to School Walk Assessment

Existing Conditions, Findings, and Recommendations

Sherwood Middle School

Shrewsbury Public Schools

28 Sherwood Ave, Shrewsbury, MA 01545

Date of Observation: February 26, 2021

Outreach Coordinator: Rachel O'Donnell



## Observation Photos



Parking lot at Municipal Field



Remnants of old school sign on Crescent Street sidewalk



Faded crosswalk at access road entrance to school property



Lack of connectivity to paved pathway on Crescent Street

## How Walkable is Your Community?



Take a walk! Remember to be safe. Analyze how walkable your community is by answering the five questions below. Rate your community's walkability using a six-point scale where 6 is best. Use the back if you need more space. Adapted from [pedbikeinfo.org](http://pedbikeinfo.org).

- 1. Did you have room to walk?** Select all that apply.
- Yes
  - Sidewalks/paths started and stopped
  - Sidewalks were broken or cracked
  - Sidewalks were blocked (poles, plants, trash cans)
  - No sidewalks, paths, or wide shoulders to walk on
  - There was too much traffic
  - No sidewalks, and roadway was not safe to walk along
  - Something else \_\_\_\_\_

Rating 1 2 3 4 5 6

Location of problems: \_\_\_\_\_

- 2. Was it easy to cross the street?** Select all that apply.
- Yes
  - Road was very wide
  - Traffic signals made us wait too long or did not give us enough time to cross
  - Needed striped crosswalks or traffic signals
  - There was no safe place to cross
  - Trees or plants blocked our view of traffic
  - Something else \_\_\_\_\_

Rating 1 2 3 4 5 6

Location of problems: \_\_\_\_\_

- 3. Did drivers behave well?** Select all that apply.
- Yes
  - They backed out of driveways without looking
  - They did not yield to people crossing the street
  - They turned into the path of people crossing the street
  - They drove too fast
  - They disregarded traffic signs or signals or sped up to drive through signals
  - Something else \_\_\_\_\_

Rating 1 2 3 4 5 6

Location of problems: \_\_\_\_\_

- 4. Was it easy to follow safety rules?**
- Could you cross at crosswalks or where you could see and be seen by drivers?
  - Could you stop and look left, right, and left again before crossing streets?
  - Could you walk on sidewalks or shoulders facing traffic where there were no sidewalks?
  - Could you cross with the traffic signal?
  - Could you make eye contact with drivers before crossing?

Rating 1 2 3 4 5 6

Location of problems: \_\_\_\_\_

- 5. Was your walk pleasant?** Select all that apply.
- Yes
  - More grass, flowers, and/or trees are needed
  - There were scary people, animals, and/or buildings
  - There was not enough lighting
  - There was a lot of litter and/or debris
  - The air smelled or looked dirty due to vehicle exhaust
  - There was a lot of unpleasant noise
  - Something else \_\_\_\_\_

Rating 1 2 3 4 5 6

Location of problems: \_\_\_\_\_

Add it up!	Walkability Scale
1. _____	26 - 30 Celebrate! You have a great neighborhood for walking!
2. _____	
3. _____	21 - 25 Pretty good.
4. _____	
5. _____	16 - 20 Okay, but it needs work.
_____	
<b>Total</b>	11 - 15 Needs a lot of work.
_____	5 - 10 This is a bad place for walking!

# SRTS Infrastructure Grants

## Eligible Project Examples



Sidewalk  
Improvements



Traffic Calming



Crossing  
Improvements



Bicycle Facilities

# SRTS Engineering Programs

Infrastructure projects seek to improve safety, access, and mobility for students in kindergarten through eighth grade, while also encouraging more students to walk and bicycle to school.

## MA Signs and Lines Grants

- \$6K reimbursement to the municipality and approximately \$4k additional benefits in assessment and design services from AECOM

Intersection of  
Crescent Avenue  
at Broadway,  
Chelsea, MA

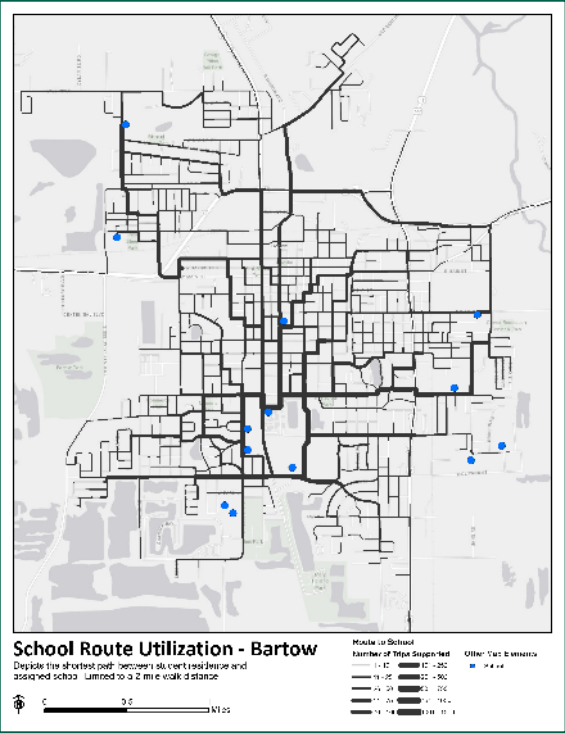


Before (1/6/21) and After (6/9/21)

## MA SRTS Infrastructure Grants

- \$200K to \$2 million projects
- 39 Projects completed (since Program inception); 25 Projects are in progress

# Planning Program – Polk County



Safety  
Action  
Plans



School  
Sidewalk  
Plan



Project  
Funding and  
Implementation

# SRTS Grant Applications - FDOT



- Polk County / Polk TPO Developed a Series of SRTS Grant Applications to Pursue Supplemental Funding for Bicycle and Pedestrian Safety Priorities
- Award supports 100 % Design and Construction Funding from FDOT
- AECOM Led the Development of Three Applications
  - Three Funding Awards
  - \$1.875 Million Awarded

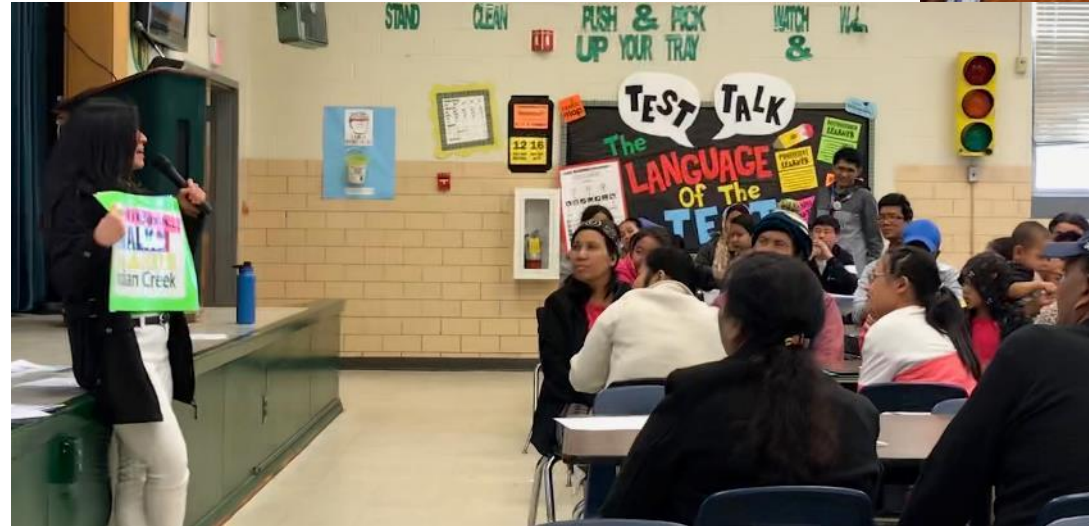
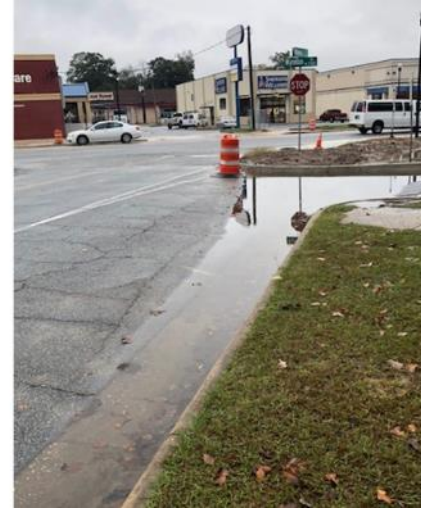
# SRTS Grants - FDOT

- Grant Application (100 – 150 Hours)
- Submittal Includes Documentation of:
  - School / Public Meetings
  - Parent and Student Surveys
  - Walking Audits – Student Observation
  - Program History
  - Preliminary Engineering
  - Cost Estimates
- FDOT Implemented SRTS Workshop

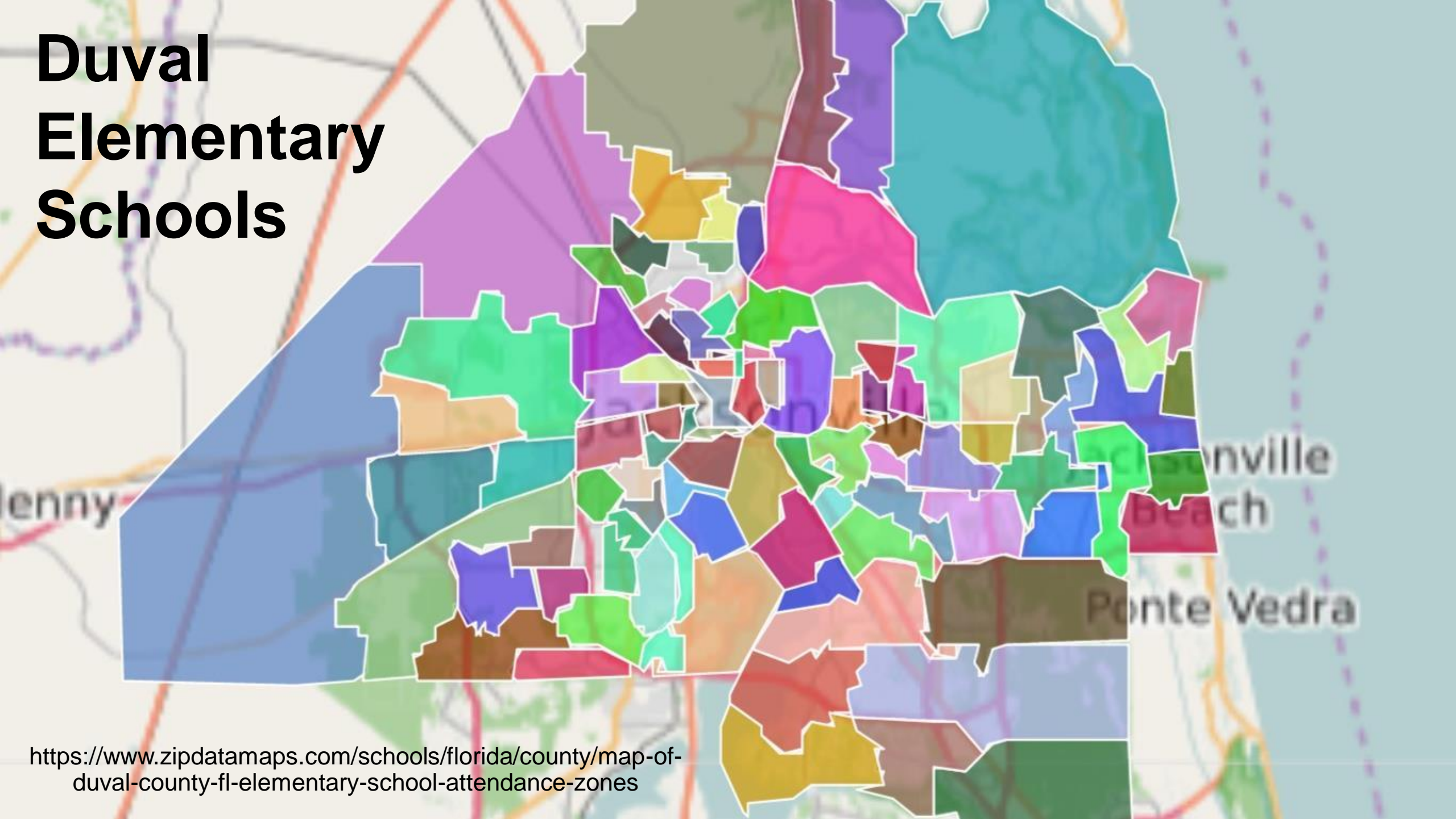


# Safe Routes to ANYWHERE

- Community Engagement
- Outreach
- Marketing
- Surveying
- Connecting Communities
- Vulnerable Populations
- School Arrival/Dismissal Impacts and Planning
- School Transportation Planning
- School Traffic Mitigation
- School Siting



# Duval Elementary Schools



<https://www.zipdatamaps.com/schools/florida/county/map-of-duval-county-fl-elementary-school-attendance-zones>



# How can we help your communities?

[www.aecom.com](http://www.aecom.com)

# Thank you!

[Adam.Purcell@aecom.com](mailto:Adam.Purcell@aecom.com)

[Patti.Sistrunk@aecom.com](mailto:Patti.Sistrunk@aecom.com)

<http://polksafety.org>

<https://www.mass.gov/safe-routes-to-school>

<http://saferoutesga.org/>



# Bicycle and Pedestrian Advisory Committee

October 6, 2022

Laurie Santana, Transportation Division Chief

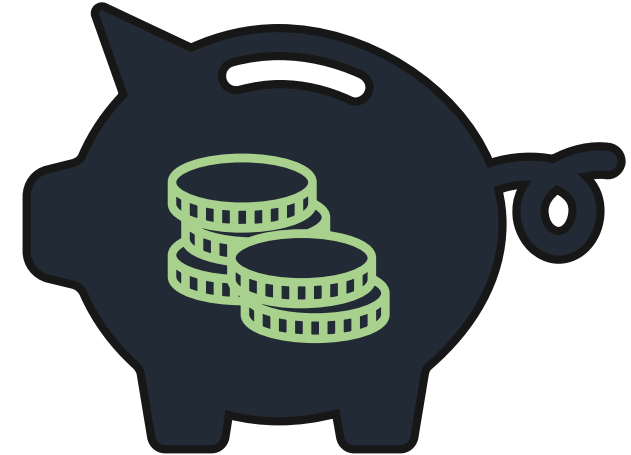
City of Jacksonville



CITY OF JACKSONVILLE, FLORIDA

# Funding Sources for Bicycle & Pedestrian Projects

- Transportation Alternatives (TA) Set-aside
- Congestion Mitigation & Air Quality Improvement Program (CMAQ)
- Safe Routes To School Program
- **\*NEW** Carbon Reduction Program (CRP)
- Mobility Zone Fees and CIP



# Transportation Alternatives (TA) Set-aside

## Eligible Projects (Bike-Ped):

- 1) Construction, planning & design of on & off-road facilities for bicyclists, pedestrians, & other forms of nonmotorized transportation
- 2) Construction, planning & design of infrastructure-related projects & systems to provide safe routes for non-drivers including children, older adults, individuals with disabilities
- 3) Conversion and use of abandoned railroad corridors for nonmotorized use
- 4) Safe Routes to School projects



# Congestion Mitigation & Air Quality Improvement Program (CMAQ)

## Eligible Projects:

- 1) Transportation projects/programs that are likely to contribute to the attainment or maintenance of a national ambient air quality standard, with a high level of effectiveness in reducing air pollution, & that are included in the metropolitan planning organization's (MPO's) current transportation plan & transportation improvement program (TIP)
- 2) Verified technologies for non-road vehicles & non-road engines that are used in port-related freight operations
- 3) Installation of vehicle-to-infrastructure communications equipment
- 4) Electric vehicle & natural gas vehicle infrastructure



# Safe Routes to School Program

## Eligible Projects (from FDOT guidance):

Projects that remove the barriers currently preventing kids from walking/biking to school including lack of infrastructure, unsafe infrastructure and a lack of programs that promote walking and bicycling through education/encouragement programs aimed at children, parents, and the community



# Carbon Reduction Program

## **Eligible Projects (from USDOT guidance):**

Eligible projects include on- & off-road trail facilities for pedestrians, bicyclists & other nonmotorized forms of transportation & projects that support the deployment of alternative fuel vehicles

These types of projects, which are determined at the state & local level but could be supported with federal funding, include zero emission vehicles & facilities, projects that support congestion pricing & travel demand strategies; truck stop & port electrification systems to reduce the environmental impacts of freight movement & carbon dioxide emissions at port facilities; & public transportation projects such as the construction of bus rapid transit corridors or dedicated bus lanes

Micro-mobility and electric bike projects, including charging infrastructure, may also be eligible





# Mobility Zone Funding and CIP

- ❖ Mobility Zone fees are collected from developers per Mobility Zone, based on calculations of increased motorized/nonmotorized activity
- ❖ The Capital Improvement Plan (CIP) is a multi-year forecast of major capital buildings, infrastructure, and other needs (5-year and “beyond 5 column”)



# TPO Advisory Committee Meetings



## Technical Advisory Committee (TAC)

- Advises the TPO on technical transportation planning issues
- Membership includes government and agency staff with expertise in planning, engineering and related fields.
- Meets the first Wednesday monthly, except January and July, at 10am in the North Florida TPO Board Room

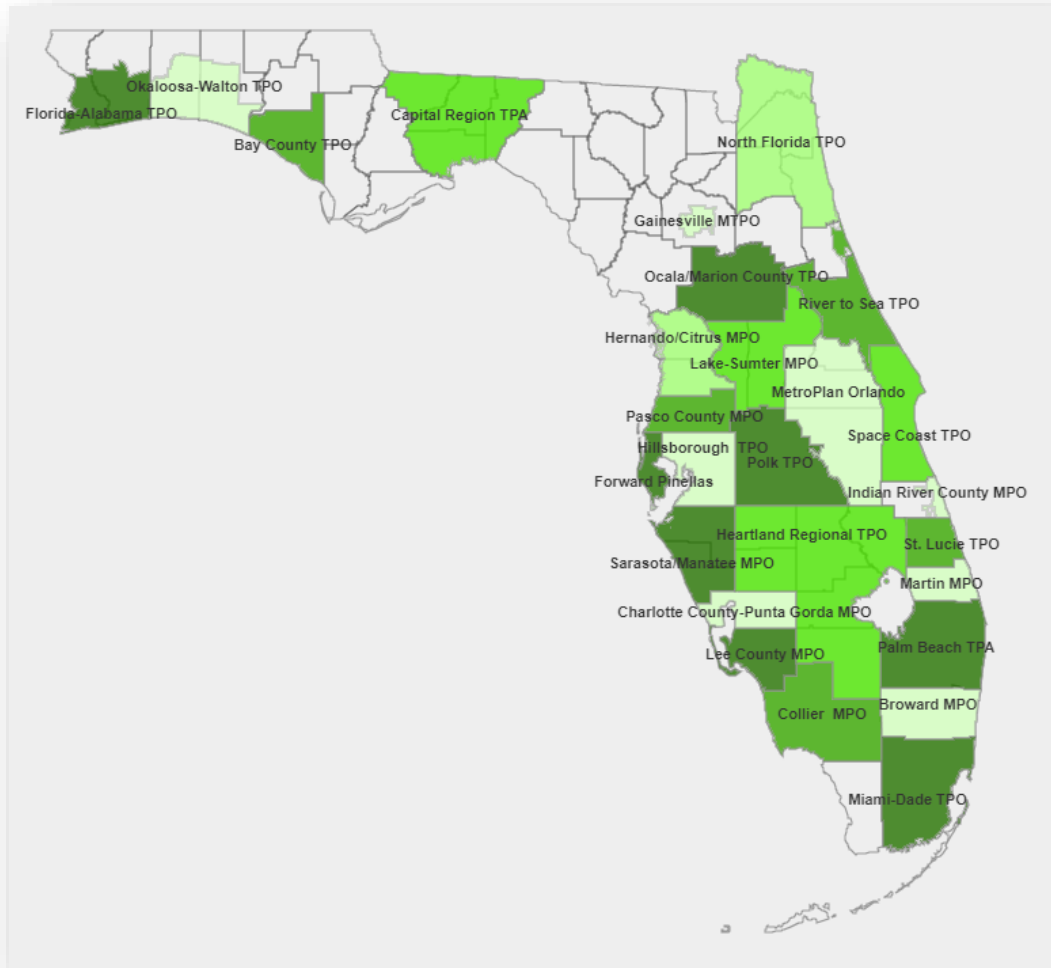


## Citizens Advisory Committee (CAC)

- Provides an opportunity for citizens to participate in the transportation planning process
- Members are appointed to ensure a diverse cross section of the public
- Meets the first Wednesday monthly, except January and July, at 2pm in the North Florida TPO Board Room



# MPO Points-of-Contacts Tool



CONTACT:

**Laurie Santana**  
**Transportation Planning Division Chief**  
**[LSantana@coj.net](mailto:LSantana@coj.net)**



# ADJOURN

- Discussion of Future Meeting Topics
- Public Comment
- Next Meeting Date/Time

