

## The Art and Science of Community Planning: Linking Transportation and Land Use



#### ATTENDEE PARTICIPATION PANEL

- Attendees are automatically muted throughout the webinar
- » Click the ? to open the panel box and submit a question to the panelists
- Answers to questions will be addressed by the panelists either verbally or in the question box
- Webinars are being recorded and will be available with other materials on the TransPlex website
- » Please complete the follow up survey that will be sent via email at the conclusion of this webinar







#### PROFESSIONAL DEVELOPMENT CREDITS



Offered for Planners and Engineers that attend the live session.

You must attend the entire session to be eligible for 1.5 hours of credits.

FDOT employees will can download certificates through Learning Curve.

All other attendees will receive certificates via email.





#### **CELEBRATING FLORIDA'S PLANNERS**

(2020 PLANNING PROFESSIONAL OF THE YEAR NOMINEES)

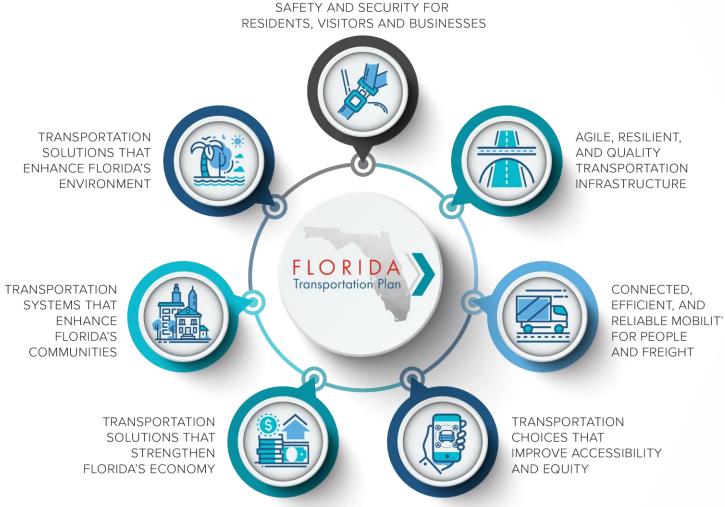
## Pat Steed Central Florida Regional Planning Council

**Gary Harrell**Charlotte County-Punta Gorda MPO





#### FLORIDA TRANSPORTATION PLAN GOALS







#### **PRESENTERS**



Jennifer Z. Carver, AICP FDOT Office of Policy Planning



Christine Fasiska, PE FDOT District 4



Sabrina Aubery, PE FDOT District 4



Gerald Goosby

FDOT Systems

Implementation

Office



Stephen Benson, AICP, CNU-A City of Tampa



Ben Chandler, AICP
Apalachee Regional
Planning Council





#### **COMMUNITY PLANNING**

- » Maximize the health, safety, and economic well-being of all people living in our communities.
  - » how we can move around our community
  - » how we can attract and retain thriving businesses
  - » where we want to live, and
  - » opportunities for recreation
- » Planning helps create communities of lasting value

--American Planning Association

#### **October is National Community Planning Month!**





#### FDOT'S ROLE

- » Mission: Safe transportation system that
  - » ensures the **mobility** of people and goods
  - » enhances **economic prosperity**, and
  - » preserves the quality of our environment and communities.

#### » Vital Few

» Improve Safety, Enhance Mobility, Inspire Innovation

#### » How

» Linking Land Use and Transportation through Context Based Design and Community Planning







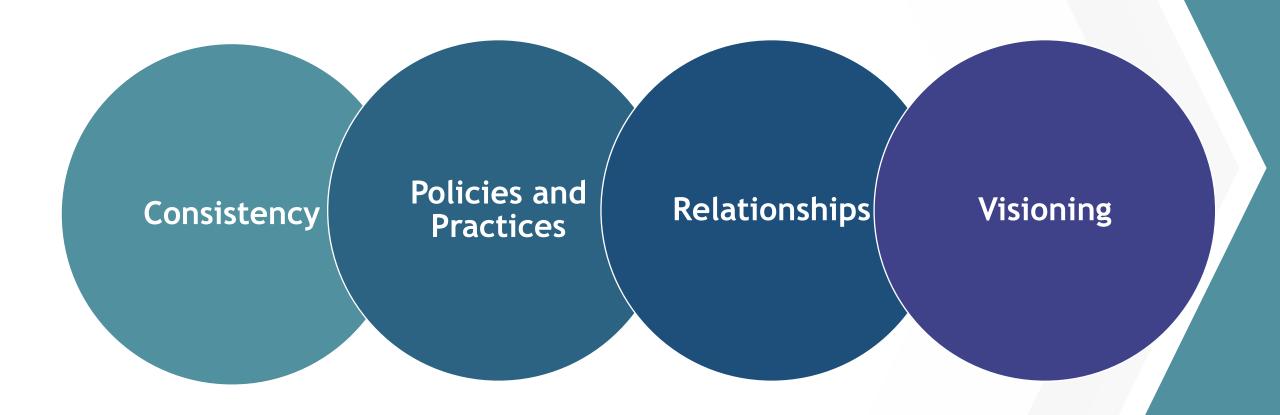
#### **CONTEXT CLASSIFICATIONS**







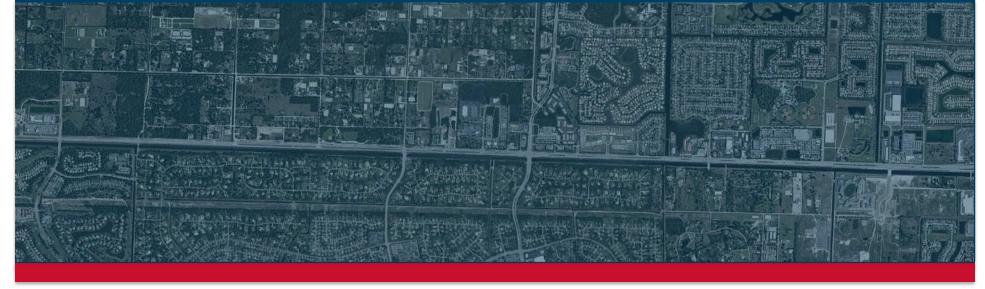
#### **COMMUNITY PLANNING EMPHASIS AREAS**















### LAND USE CHANGES AND SIS FUNCTIONALITY

**Cumulative Development Impacts on SIS Facilities** 

TransPlex Webinar

Gerald Goosby SIS Planning Manager





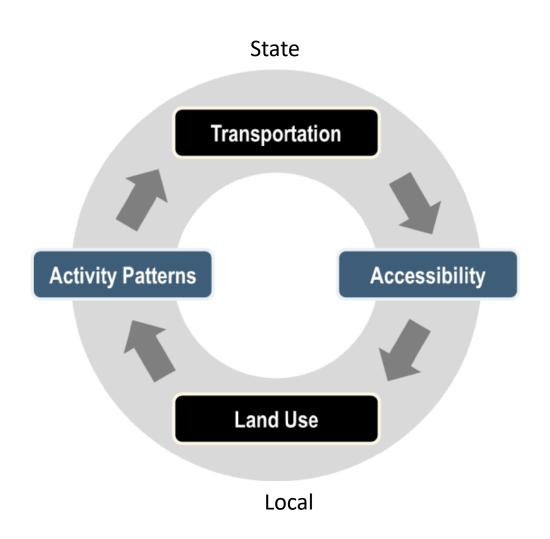
#### **PRESENTATION OUTLINE**

- Motivation
- Purpose
- Approach
- Preliminary Recommendations



#### **MOTIVATION**

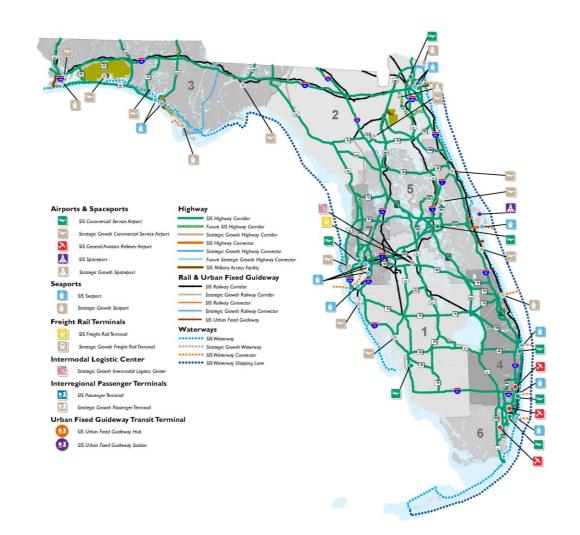
- Transportation and land use are intrinsically related
- Separation of responsibilities:
  - FDOT responsible for state roadways
  - Local governments responsible for land use decisions
- Better coordinate land use and transportation decisions





#### **PURPOSE**

- To understand cumulative developments impacts on SIS facilities
- To identify strategies for preserving capacity of SIS roadways





#### **APPROACH**





#### **CASE STUDIES**

- D1, SR 70 in Arcadia, SR 72 to SR 31, 3.6 miles
- D2, SR 200 between
   Callahan and Yulee, Griffin Rd
   to Chester Rd, 11.6 miles
- D5, US 27 south of Clermont, Hartwood Marsh Rd to Polk County Line, 11 miles

#### SR 70 Segment Analysis

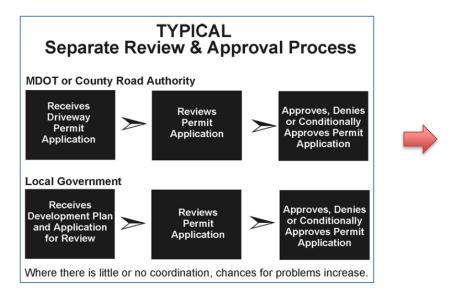
Year/Scenario	Lanes	AADT	V/C	LOS
2010	4	16,000	0.45	С
2019	4	22,000	0.62	С
2045 No Build	4	30,700	0.86	С
2045 Build	4	43,500	1.22	F

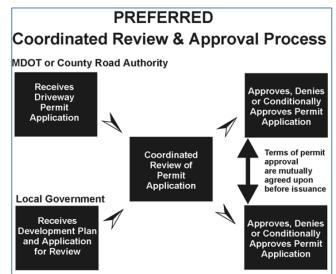




#### **Partnerships**

- Establish stronger partnerships with local governments.
  - Promote early engagement
  - Partner with local governments to develop collaborative strategies
- Example: Michigan DOT Development Review Process







#### **Systems Approach**

- Incentivize and/ or facilitate best practices at a local level.
  - Provide technical assistance to local government partners
  - Establish incentives for local governments to implement smart planning to decrease pressure on SIS
- Example: NJDOT NJ Futures in Transportation (NJFIT)





#### **Systems Approach**

- Increase multimodal options
- Develop a shared multi-agency database to track developments
- Develop a systematic approach to identify at-risk SIS facilities
- Example: Washington State Tool

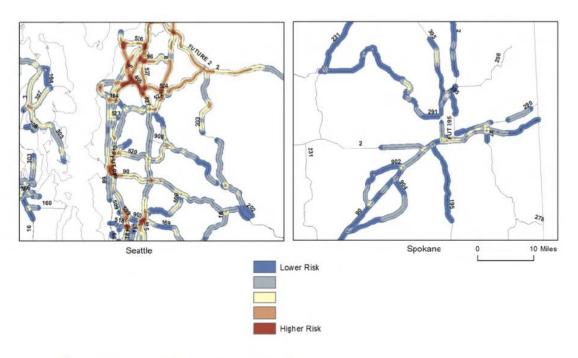
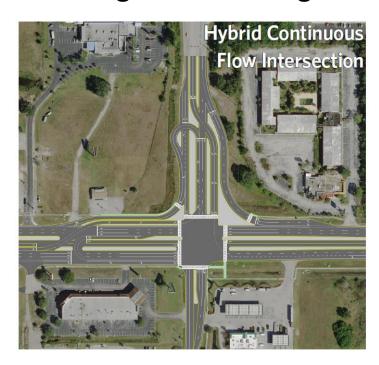


Figure 1-7: Line Density of Composite Risk Score within 0.5-Mile Buffer



#### **Engineering Solutions**

- Anticipate context-based design needs.
- Establish thresholds for planning / implementing capacity management strategies.



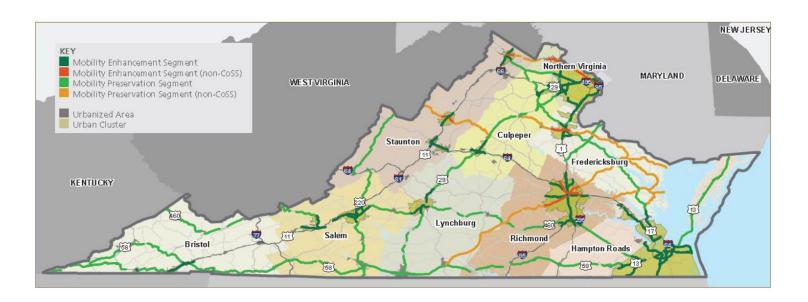






#### **Policy**

- Enhance Access Management/Driveway Permit Process
- Provide SIS funding flexibility
- Leverage existing statutes and/or request new legislative action
- Example: Virginia DOT Arterial Preservation Program









#### Florida Department of Transportation

Systems Implementation Office 605 Suwannee Street, MS 19 Tallahassee, FL 32399 850.414.4900 sisinfo@dot.state.fl.us www.fdot.gov/planning/sis/







## PARTNERING AND COLLABORATION.... HOW WELL IT WORKS WHEN WE ALL WORK TOGETHER

Presenters – FDOT District 4: Christine Fasiska, PE & Sabrina Aubery, PE





The Art and Science of Community Planning: Linking Transportation and Land Use



"Alone we can do so líttle; together we can do so much "



— HELEN KELLER —

#### Partnering and Collaboration

- Early Coordination
- Continuous Communication









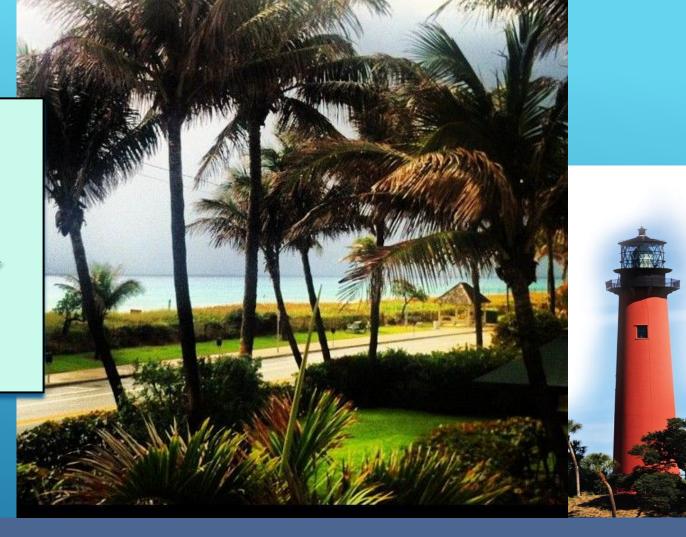
- Off-System (Local Facilities Owned by the County or Local Municipalities)
- On-System (State Facilities)







# CITY OF DELRAY BEACH



US-1/SR-5 LANE REPURPOSING from SOUTH of SE 10<sup>TH</sup> STREET to NORTH of GEORGE BUSH BOULEVARD

#### On-System Facility - Is it Feasible?

- FDOT Mission:
  - Provide a Safe Transportation System
  - Ensures the Mobility of People and Goods
  - Enhances Economic Prosperity
  - Preserves the Quality of Our Environment and Communities

#### City Request - Community Vision

- FDOT Vision:
  - Serve the People of Florida
  - Providing a Transportation Network
    - Well Planned
    - Supports Economic Growth
    - Congestion and Fatality Free

#### PARTNERSHIP FOR SUCCESS!

#### **Early Coordination**

- FDOT
- City Officials
- Planning Partners
- Traveling Public
- Residents and Business Owners









#### **Continuous Communication**

- Vision + Concept + Construction = Results
- Schedules
- Expectations
- Patience

#### PILOT PROJECT / TEST PERIOD

#### But first, a **test period** is warranted.

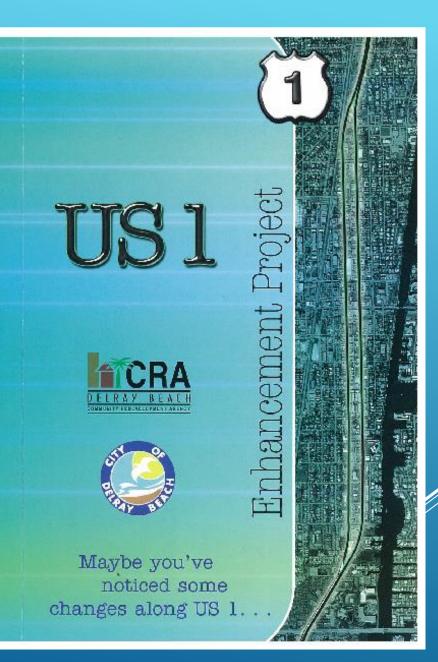
US 1 between George Bush Boulevard and SE 10th Street has been six lanes for a long time. Some people are concerned that fewer lanes will result in increased traffic congestion in the Downtown area. Advanced computer models and extensive research, however, suggest otherwise.

Still, we want to be sure that things fit, flow, and function. The changes you see on US 1 are only temporary while officials study their effectiveness. In the interim, we'll be studying the real-world effects of fewer and narrower lanes and new signal timing plans on peakand off-season traffic, driver operating speeds, and accident rates. The changes will be in place for at least a year in order to allow sufficient time to gather seasonal and off-peak data. If the decision is made to go forward with the beautification, the temporary measures will remain until the permanent improvements are installed.

These interim improvements are being funded by the Delray Beach Community Redevelopment Agency.

For more information about the US 1 Enhancement project, contact:

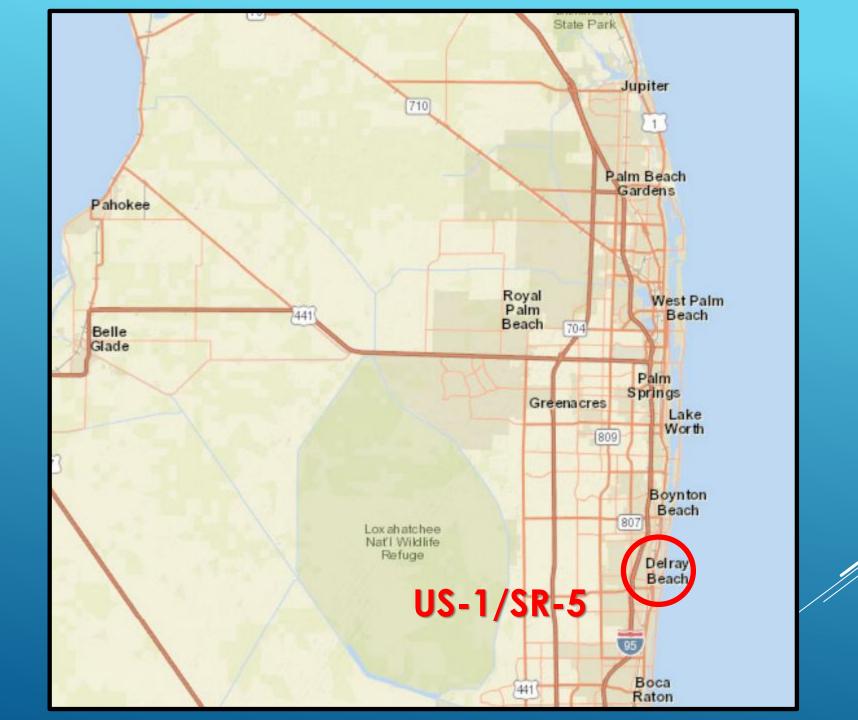
Randal Krejcarek City Engineer (561) 243-7322 krejcarek©ci.delray-beach.fl.us



fit, flow, and fu

#### PILOT PROJECT / TEST PERIOD





#### PROJECT LIMITS: US-1/SR-5 AND ATLANTIC AVENUE



### US-1 / SR-5; ATLANTIC BOULEVARD LAP PROJECT (ON-SYSTEM) CITY OF DELRAY BEACH





#### **TOTAL PROJECT COSTS:**

\$ 12.1 Million

#### **FEDERAL FUNDING:**

\$ 2.3 Million

#### **STATE FUNDING:**

\$ 5.1 Million

#### **LOCAL FUNDING:**

\$ 4.7 Million SIB Loan (State Infrastructure Bank)







#### Scope of Work:

#### Original – Typical Section

- 3 lanes each direction
- No bike lane



#### Constructed – Typical Section

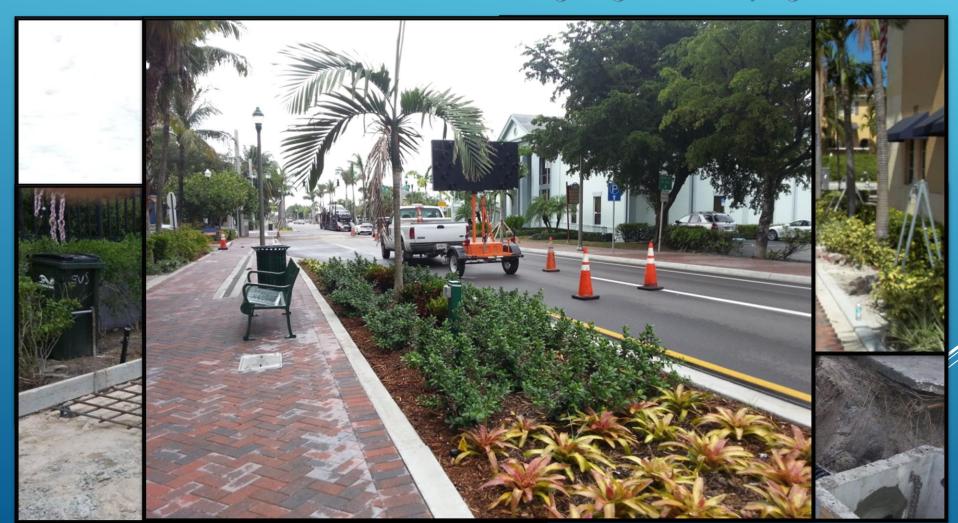
- 2 lanes each direction
- 5-foot bike lane
- 9-foot bulb out/parking/turn lanes



#### Scope of Work:

- Lane Repurposing
- Crosswalk Enhancements
- Bike Lanes and Sidewalks

- Drainage Improvements
- Resurfacing
- Lighting / Landscaping



#### Scope of Work:

Crosswalk Enhancements



### Scope of Work:

Resurfacing



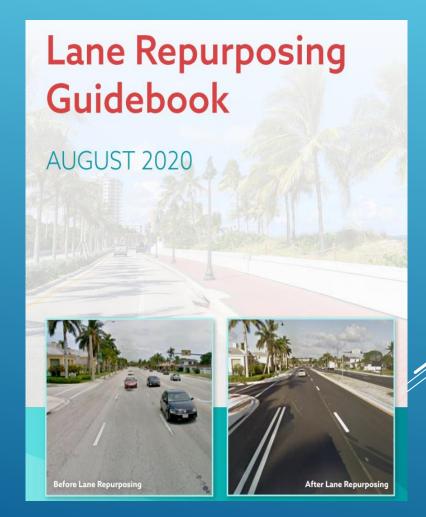


- Implementing a Lane Repurposing project prior to having a District or Statewide Lane Repurposing Review & Approval Process
- ☐ Coordination/Communication
- Manage Expectations Roles and Responsibilities
- □ Funding





Development of a
 Formal Statewide
 Lane Repurposing
 Procedure &
 Guidebook







- ☐ Early coordination with stakeholders
- ☐ Continuous communication between agencies, FDOT, & planning organizations









# Define expectations and responsibilities









- ☐ Frequent outreach to the community throughout the project
- ☐ Focused public involvement by local agency while developing initial scope







☐ Well defined initial scope and accurate Cost Estimate









- ☐ Understanding restrictions with State and Federal funding
- ☐ Participating vs Non-Participating items









LAP PROJECT: US-1 / SR-5
CITY OF DELRAY BEACH



## THANK YOU!

#### **Contact Information:**

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Email: <u>Christine.Fasiska@dot.state.fl.us</u>

Phone No.: 954-777-4480

Sabrina Aubery, PE FDOT District 4 Program Administration Engineer

Email: <u>Sabrina.Aubery@dot.state.fl.us</u>

Phone No.: 954-777-4585



## Transforming Tampa's Tomorrow... One corridor at a time

TRANSPLEX October 2, 2020 Stephen Benson, AICP, CNU-A City of Tampa Mobility Department



## **All the Players**

**Local Government** 











Transportation Agencies & Special Authorities









District Anchors & Business Community











Stakeholders & Community Groups











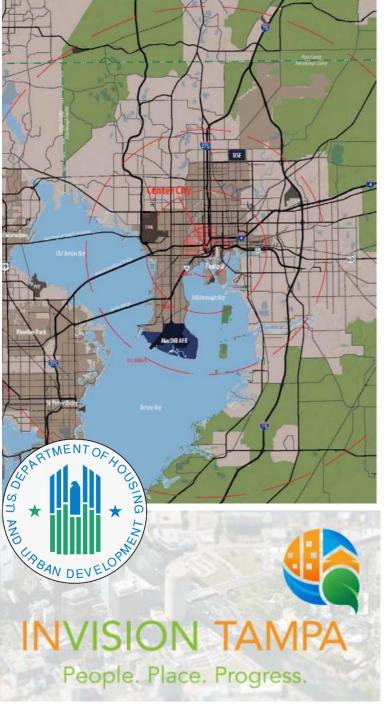


## 10 Years of Planning – in 15 minutes

- 1. Comprehensive Plan (Planning Commission & City) 2009
- 2. InVision Tampa Plan (City) 2010
- 3. Seminole Heights Vision & Overlay (City) 2009
- 4. Transit Assets & Opportunities (MPO) 2014
- 5. Heights Mobility Study & Projects (FDOT) 2018
- 6. TOD Pilot Project (Planning Commission & HART) 2020
- 7. Streetcar Extension Project Development (City) 2015-2019
- 8. BRT to University Project Development (HART) 2020
- 9. Tampa Bay Next (2016-2020)
- 10. Franklin Street Visioning (TDP) 2020
- 11. Heights Riverfront & Water Street (private sector) 2017-underway
- 12. Innovation District (IP/Hillsborough County)
- 13. Fowler Ave Study (FDOT) 2019







#### **Mobility:**

- Make big roads easier to cross
- Embrace innovation & micromobility
- Trails for transportation
- Convert one-way streets
- Strategic road diets

#### **Transit:**

- Enhance existing MetroRapid
- Downtown circulation
- Connect to USF with transit
- Keep regional connections in mind

















## Remade Tampa + Florida Avenues

#### **Opportunities**

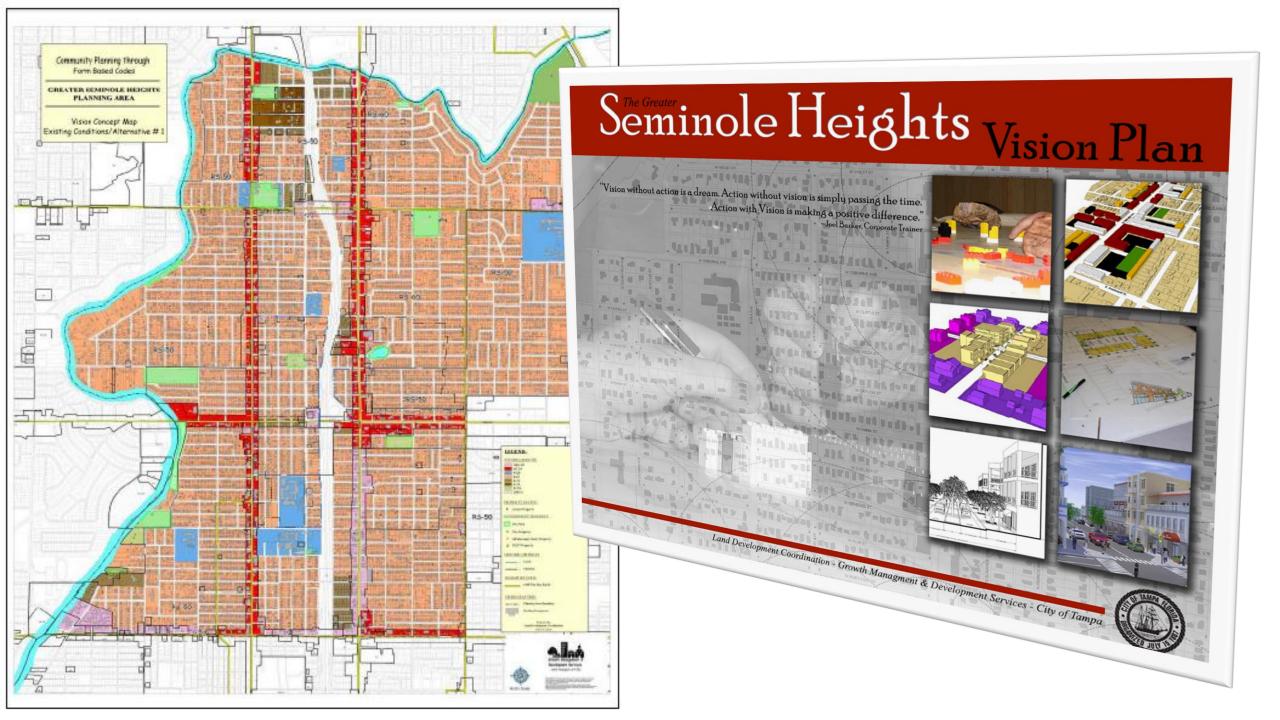
- Supporting Redevelopment
- Cut-Through Circulation
- Congestion Avoidance Cut-Through
- Neighborhood Reconnection
- Evaluating Alternative Futures for the Corridors

#### **Early Actions Already Underway**

 Meeting with FDOT District Secretary to Review prior studies, current situation and City Vision

#### **Early Next Steps**

- Initiate an updated study of two way function for the Tampa / Florida Corridors, based on reasonable growth factor:
- Current Traffic
- Potential time and capacity change with 2
   Way
- Projection of peak hour trips to I-275
- Develop Corridor Design / Development
   Standards for new development







#### TAMPA BAY

FDOT Secretary says it's time to hit reset button on TBX project















## **Streetcar Modernization & Extension**





A transit solution that supports the City's vision for *a livable, connected, and competitive Downtown*.

- » Modernize and extend the existing system.
- » Improve access across the core of the City.
- » Connect premier cultural and entertainment destinations, educational institutions, and revitalizing urban neighborhoods.
- » Deliver first/last mile connectivity.
- » Set the stage for future extensions.

120,000

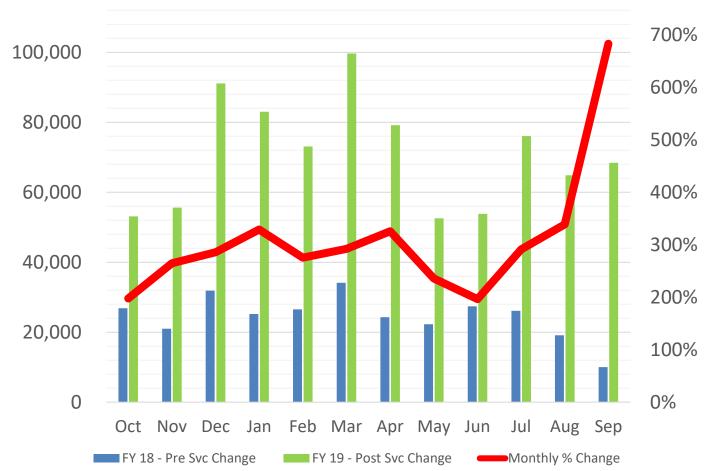


800%

# After ridership tripled, Tampa's TECO Streetcar is now extending service

This means 15-minute service on nights and weekends.

BY RAY ROA - APR 10, 2019 10 AM

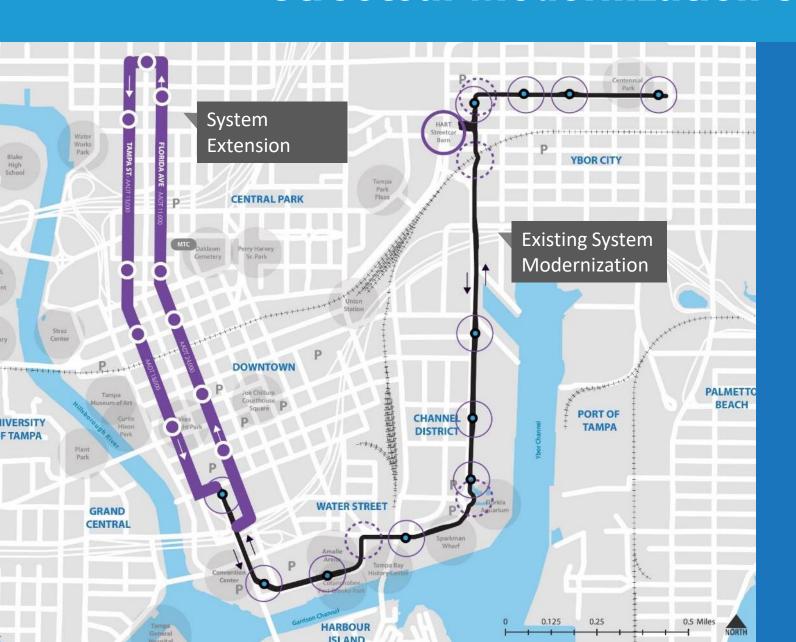


FDOT's grant to improve service on the existing system has resulted in an unprecedented increase in ridership.

Over the first year of improved frequency, extended service hours, and free fares, ridership increased by 288%.

## **Streetcar Modernization & Extension**





#### **MODERNIZATION** (2.63 Miles)

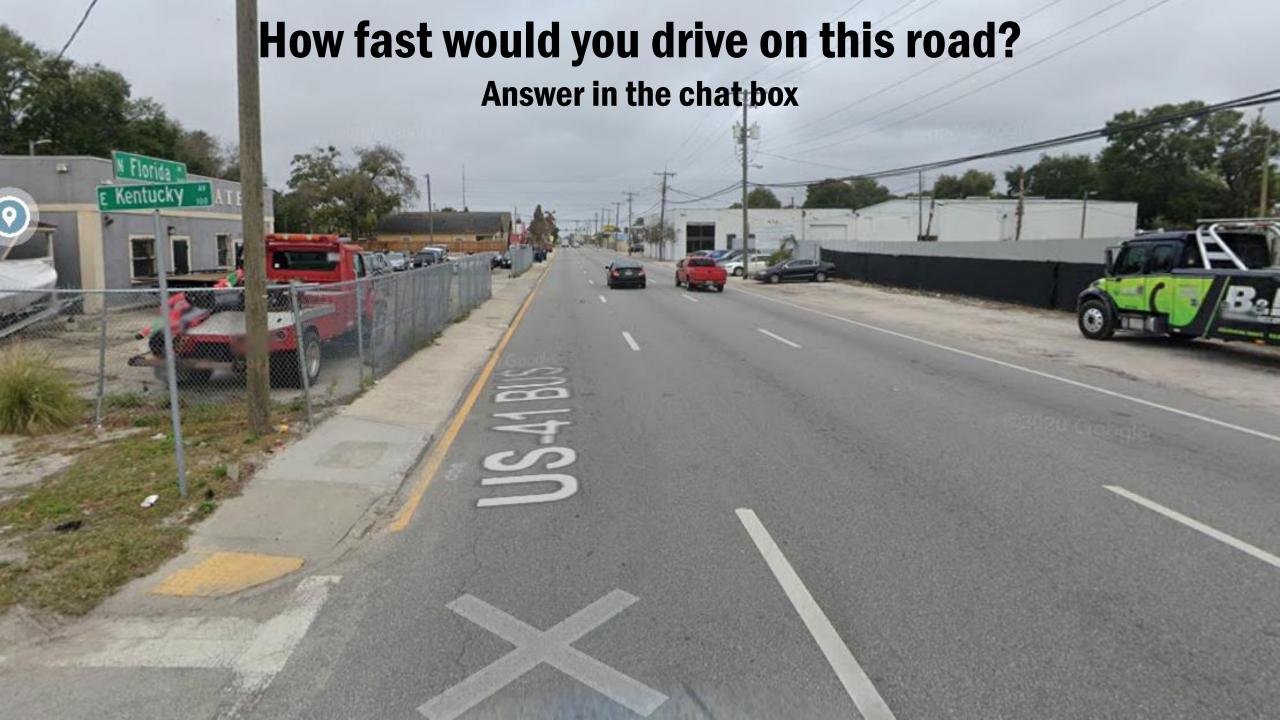
- » Introduce modern vehicles
- » Reconstruct tight turns
- » Improve stops for level boarding
- » Expand streetcar barn
- » Upgrade traction power

#### **SYSTEM EXTENSION** (1.2 Miles)

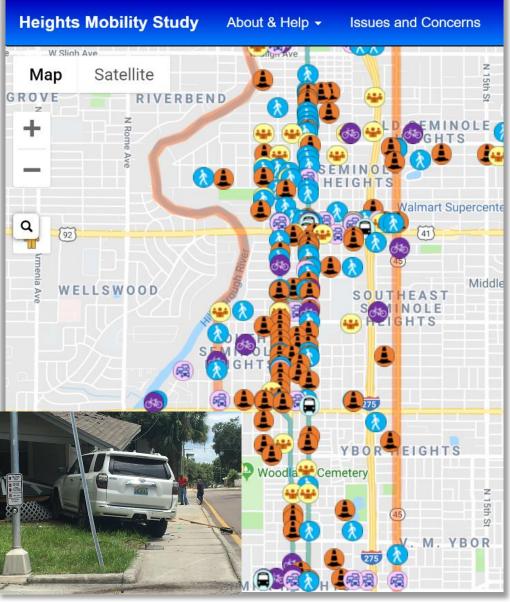
- » North on Florida Avenue
- » Turn on Palm Avenue
- » South on Tampa Street
- » East on Whiting

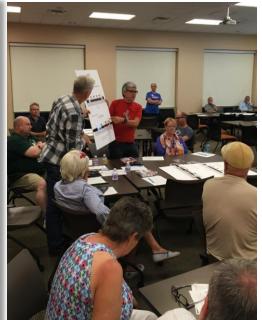




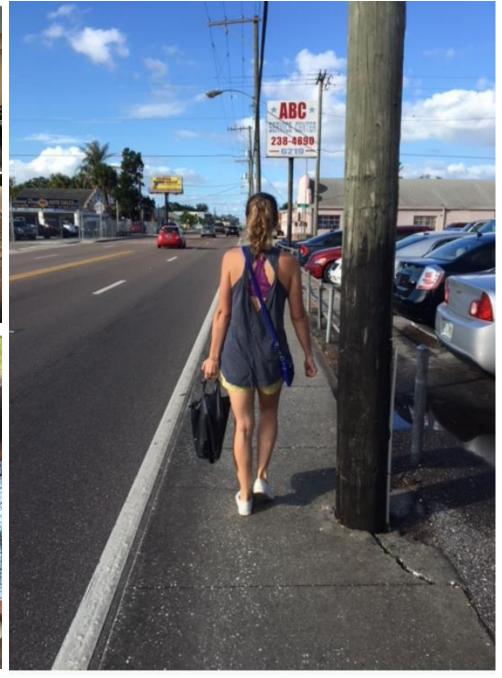


## FDOT HEIGHTS MOBILITY STUDY

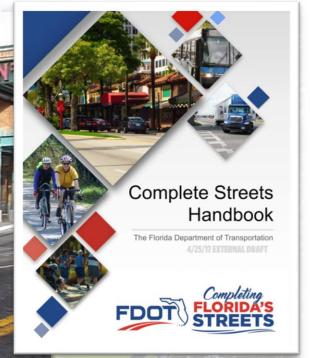






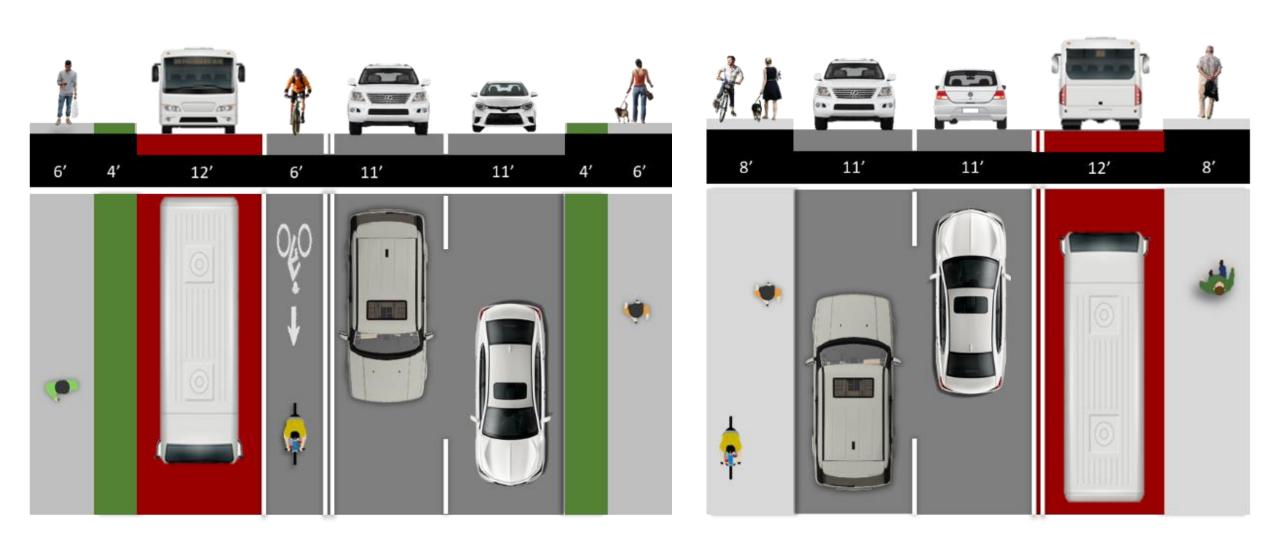






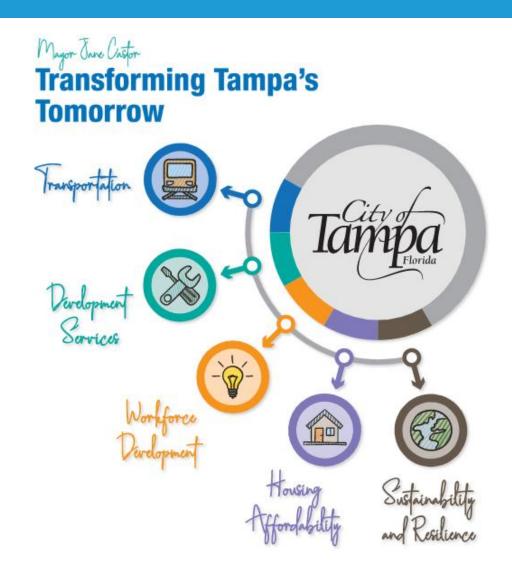


## **Bus Rapid Transit: One-Way Pairs**



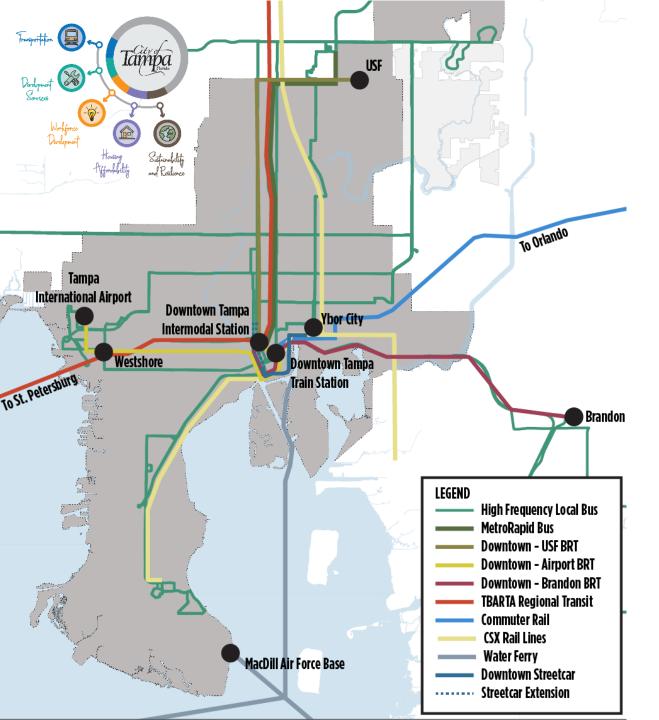


## Mayor Castor's T3 Initiative (2019)





- 1. Implement Strategic Transit Projects
- 2. Reimagine Trails and Greenways as Viable Transportation Options
- 3. Adopt Vision Zero as a Citywide Policy
- 4. Reinvent Urban Parking and Mobility
- 5. Enhance Neighborhood Engagement Activities



#### **Strategic Transit Projects:**

- 1. Extend the Streetcar
- 2. CSX Passenger Service
- 3. Rapid Transit from Downtown to Innovation District/University
- 4. Rapid Transit from Downtown to Westshore
- 5. Expand bus service
- 6. Intermodal Centers
- 7. Regional Rail to Orlando

### **Rapid Transit from Downtown to Innovation District**

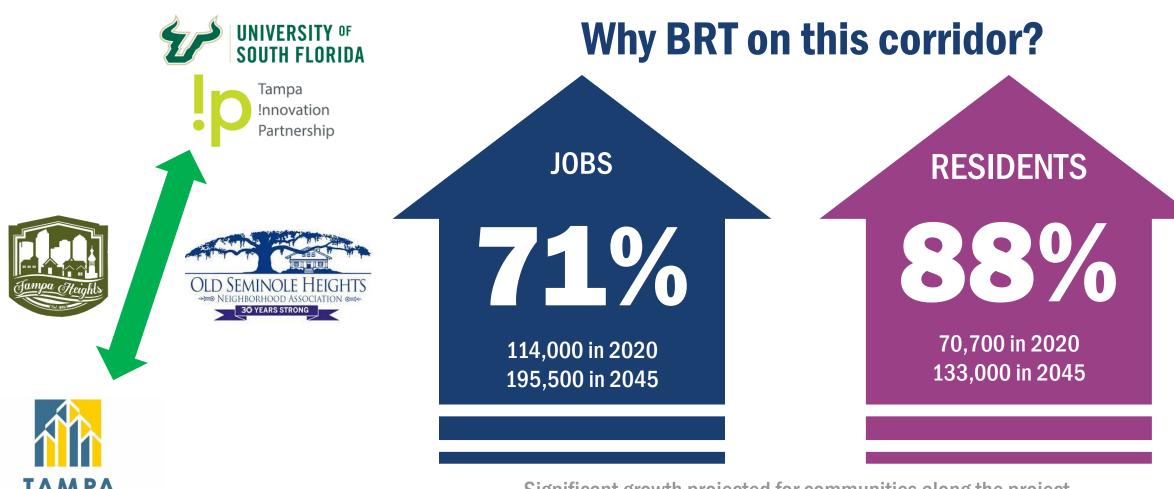




#### Why BRT on this corridor?

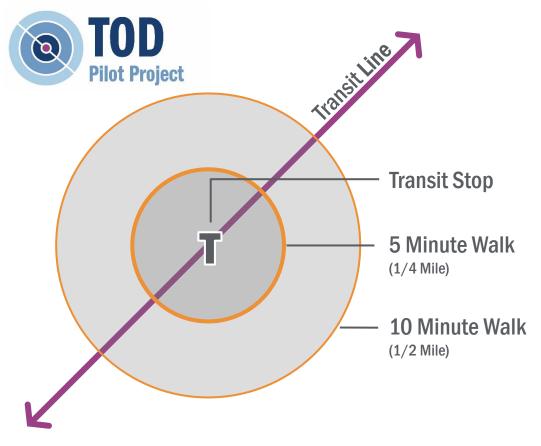
- 1 interstate & 2 state roads
- 2 transit transfer centers & 7 bus routes 230,000 trips per day
- **2 Local Governments**
- 1 Local Planning Agency (LPA)
- 11 registered neighborhood associations

#### **Rapid Transit from Downtown to Innovation District**



Significant growth projected for communities along the project corridor. From Downtown to USF, regional projections call for over 140,000 new jobs and residents over the next 25 years.

## **Transit Oriented Development**



People within a half-mile radius are 5 times as likely to walk to a major transit stop than others.

—Transit-Oriented Development: Factors and Elements of Success, Center for Transit Oriented Development.

The HART TOD Pilot Project is focused on the future of communities along the planned routes for HART's **Arterial Bus Rapid Transit** (BRT) project and the City of **Tampa's Streetcar Extension** project.







C. Dan autor and of Transco

U.S. Department of Transportation

Federal Transit Administration

## **Transit Oriented Development**







**PUBLIC FUNDING / P3s** 



**PUBLIC IMPROVEMENTS** 



FOCUSING ON EQUITY

**CRA/TIF Establishment** 

Business Improvement District Formation

Activating Publicly-Owned Land Assisting with Site Assembly Leveraging Federal Programs, inc. LIHTC, Section 8, CDBG, &

HOME

Investment in Open Space, Recreation, & Public Art

Improvements To Rights-of-Way & Streetscapes

Enhancing Walkability, Safety, & Non-Motorized Transportation

**Rezoning or Overlay** 

Density Bonuses, Reduced Parking Requirements, Setbacks, & Lot Coverage for Greater Density & Walkability **Small Business Support** 

Construction & Preservation of Affordable Housing

Examples inc. Community Land Trusts, Incentive Zoning, Accessory Dwelling Units, Façade Grants



TOD Pilot Project

C2-Rural

**C2T-Rural Town** 

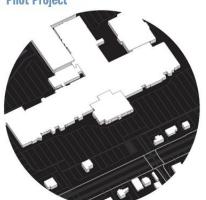
C3R-Suburban Residential

C3C-Suburban Commercial

C4-Urban General

C5-Urban Center

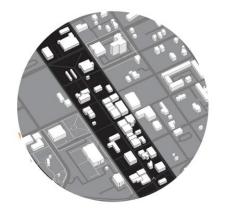
**C6-Urban Core** 



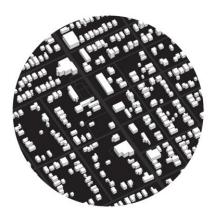
Auto-Oriented Regional Center



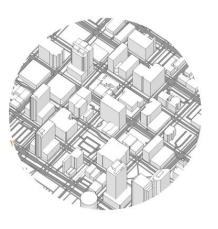
Auto-Oriented Community Center



Traditional Main Street



Mid-Center Main Street/ Neighborhood Center



Downtown



## LINEBAUGH AVE WATERS AVE HART TOD Study Area COLUMBUS DR McKay SWANN AVE

## **Context-Sensitive TOD**













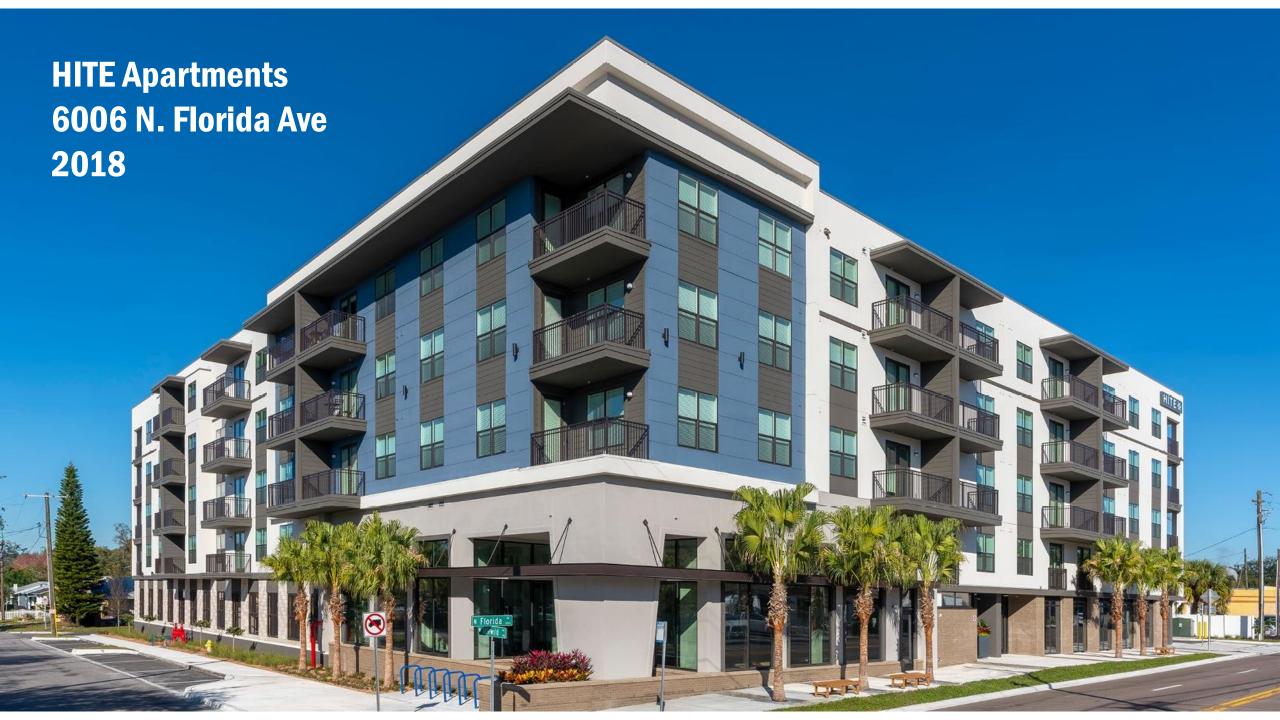
















### What's Next?

- Heights Mobility Lane Repurposing Analysis
- Streetcar Wrapping up PD&E,
   Beginning 30% Design Fall 2020
- BRT PD&E complete by Summer 2021
- TOD Station Area Planning Spring 2021, Implementation Fall 2021



Bus rapid transit service for downtown Tampa and USF area rolls into next phase

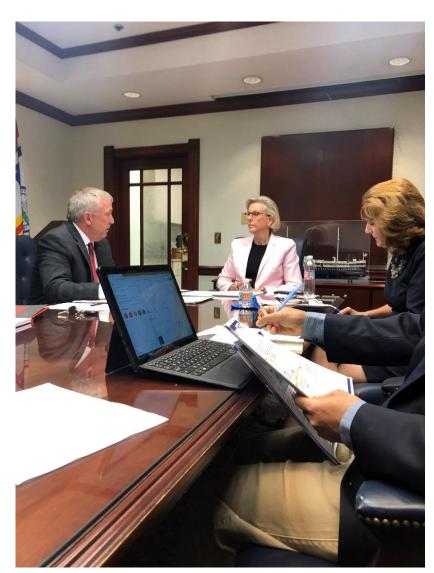


## Sprouts Farmers Market is officially coming to Tampa Heights

Store hiring and grand opening details for the Tampa Heights location will be announced at a later date.

## **Keys to Success**

- Everything starts with a vision
- Visions evolve but they usually don't change completely
- Relationships matter especially leadership across agencies
- Pass the torch, but keep it lit
- MPO involvement & endorsement
- Public support matters as close to 99% as possible
- Booms & busts
- The path seems straighter looking back











#### **Community Planning Partnership**

City of Chattahoochee
Chattahoochee Main Street
&
State / Regional / Local Partners

**October 2, 2020** 









# U.S. 90 (Washington Street) Streetscape Improvement Plan Chattahoochee, FL











#### **PROJECT BACKGROUND**

- Streetscape Improvement Concept Plan funded by DEO:
  - 2019/20 Community Planning Technical Assistance Grant
  - Completed May 2020
- Project administered by the Apalachee Regional Planning Council





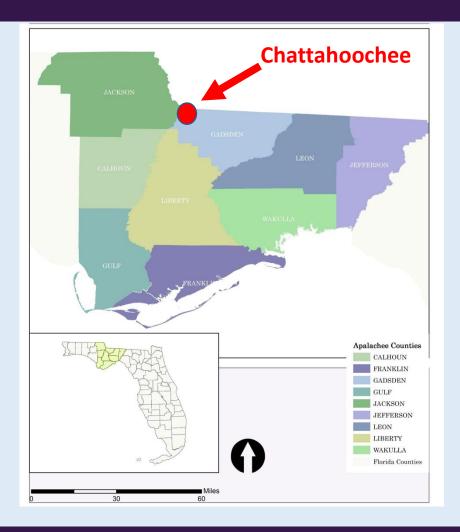




#### **APALACHEE REGIONAL PLANNING COUNCIL**

#### **ARPC Mission**

To serve its citizens and local governments by providing technical assistance and a forum for communication and collaboration to preserve and enhance the economic, natural and social environments of the Apalachee Region.





#### **PROJECT HISTORY**

- Chattahoochee Main Street (2013)
- Florida Main Street Resource Team (2014)
- Chattahoochee Strategic Community Vision Plan (2015)









#### **VISION PLAN (2015)**

#### **GOAL 1.2: DEVELOP A VIBRANT & ENHANCED STREETSCAPE PLAN**

- Objective 1.2.1: Design a streetscape plan for Washington Street that promotes walkability and supports the development of historic Main Street District Design Standards
- Objective 1.2.2: Increase and optimize parking availability in the downtown area and apply efficient driveway and access standards.









#### **PROJECT HISTORY**

- Chattahoochee Main Street (2013)
- Florida Main Street Resource Team (2014)
- Chattahoochee Strategic Community Vision Plan (2015)
- DEO Community Planning Technical Assistance Grant (2018/19)
- Hurricane Michael
- DEO Community Planning Technical Assistance Grant (2019/20)
- ARPC performed the Scope of Work









## **Project Limits**













#### **SCOPE OF WORK**

- Identify desired streetscape elements
- Incorporate Complete Streets & Main Street principles
- Public Workshops (2)
- Minimum of two (2) alternative concept plans
- Seek City adoption of a final concept plan









#### **PROJECT SCHEDULE**

- Kick-off (November 2019)
- Public Workshop #1 (November 2019)
- Public Workshop #2 (February 2020)
- 1<sup>st</sup> Public Hearing (April 2020)
- Adoption Hearing (May 2020)











#### **PROJECT PARTNERS**





















#### **PROJECT PARTNERS**



- <u>Central Office</u>: Roadway Design Office
  - Complete Streets Program
- District III (Chipley):
  - Planning Office
    - Complete Streets Coordinator
    - Transportation Planning
  - Landscape Design







#### PROJECT PARTNER COLLABORATION

- Intersection improvements / design constraint issues
- Parking options
- Landscape design options
- Pedestrian crosswalk / median treatments
- Side-street / driveway access
- Pedestrian-scale streetlighting
- Improved stormwater drainage
- Connectivity to alleyways and other key locations
- Examples of successful streetscape improvements in FL



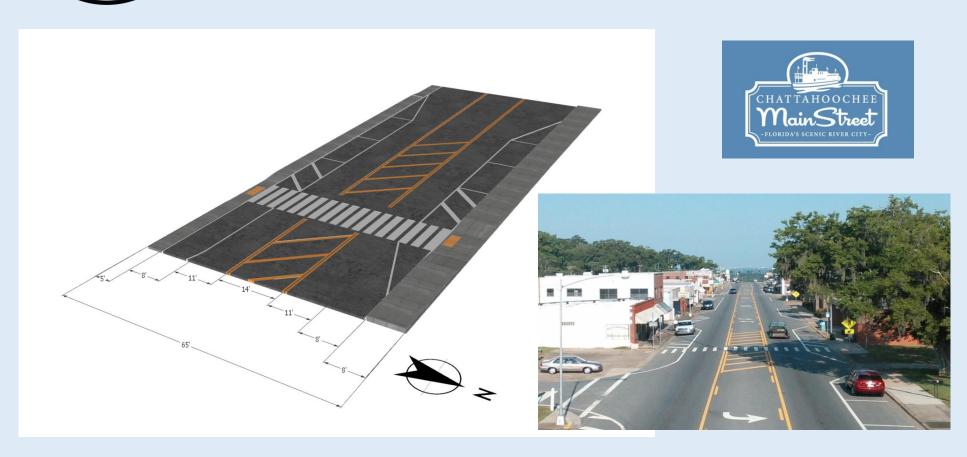






# **Existing Condition**























LOCAL PARTNERSHIPS, REGIONAL IMPACT.





Existing





Approved Concept



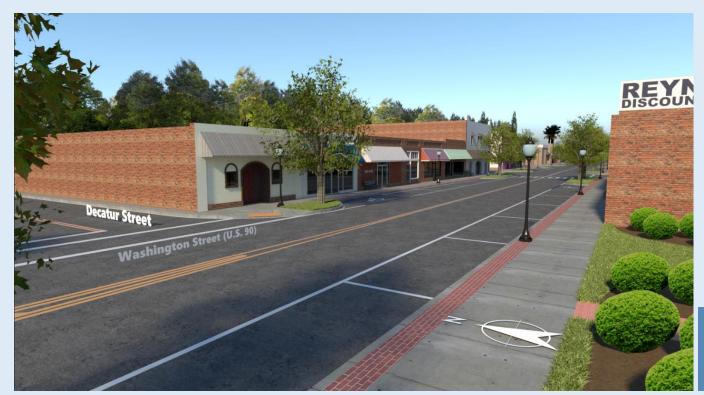
































### **ENGAGE PROJECT PARTNERS EARLY!!**

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LOCAL PARTNERSHIPS, REGIONAL IMPACT.

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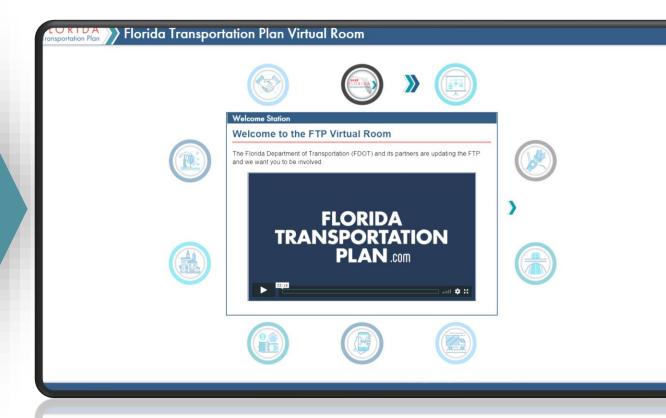




# FTP VIRTUAL ROOM

- Walk through the seven goal stations to provide your input on the draft strategies and share your ideas for reaching our goals.
- » No specific time, always open!
- » Opening Monday, October 5th

### www.floridatransportationplan.com







### THANK YOU FOR ATTENDING

- » Up Next: Broad Uses, Broad Needs... Friday, October 9 @ 9am
- » Please complete the follow up survey that will be sent via email at the conclusion of this webinar



Please take a moment to visit the FTP Virtual Room and leave your comments www.floridatransportationplan.com



