



# FMPP

Florida Metropolitan Planning Partnership

FEBRUARY 1<sup>ST</sup>



# WELCOME AND INTRODUCTION

Alison Stettner & Mike Neidhart





# Housekeeping



- › **We will share presentations following the meeting**
- › **Restrooms and exits**



# AICP Certification Maintenance (CM) Credits



Certification  
Maintenance

- AICP members can earn CM credits for this activity
  - Course number: 9262633
  - Course name: Florida Metropolitan Planning Partnership: Statewide Collaboration Meeting
- More information can be found at [www.planning.org/cm](http://www.planning.org/cm)





## Virtual Packet



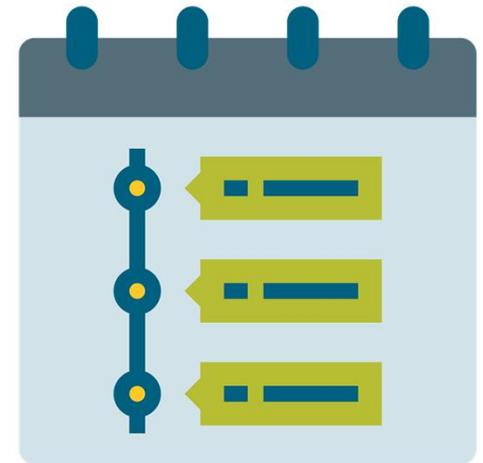
- TIP Schedule
- DBE Bidders Opportunity List Form
- DBE Commitments and Payments Tracking Report
- Carbon Reduction Quick Guide
- LRTP Roadmap
- SIS Funding Criteria
- Federal Performance Measures Dashboard
- Housing & Transportation Subject Brief



# TIP Schedule

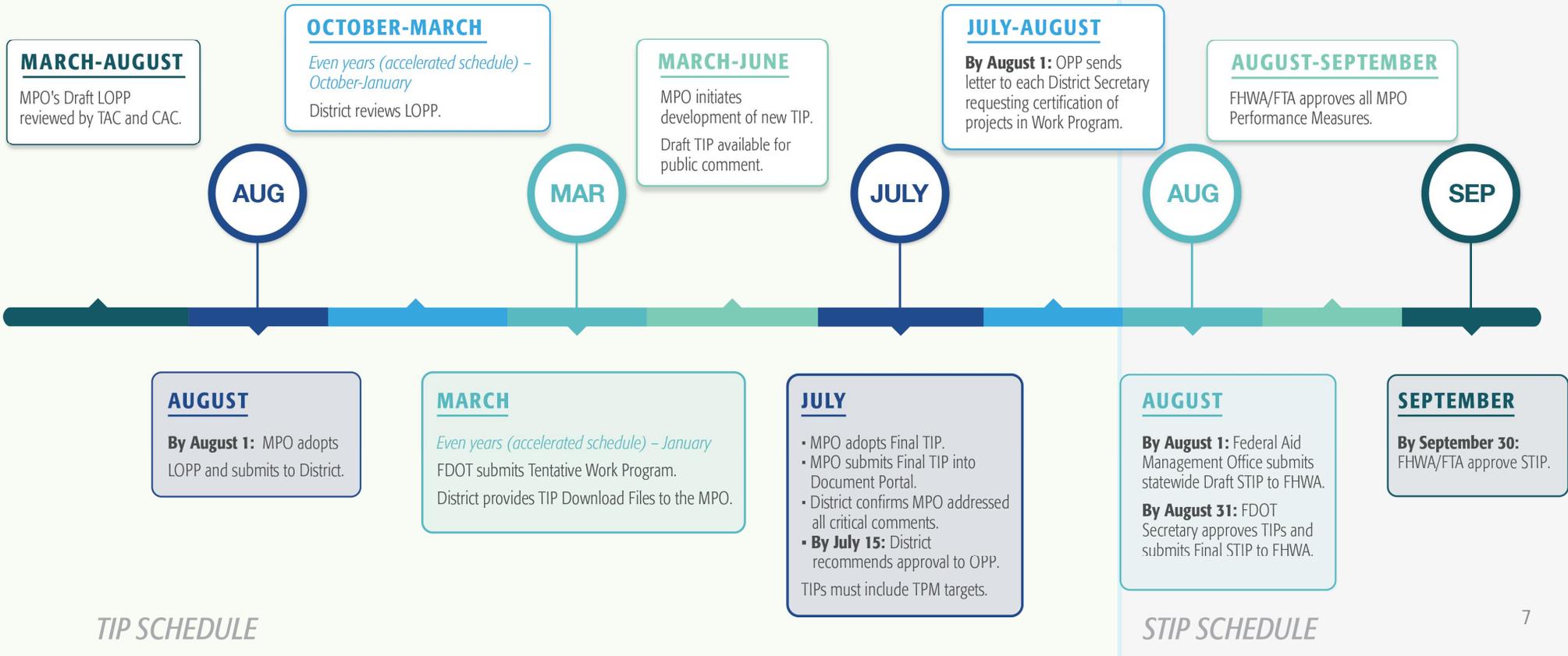


- Updating MPO Handbook
- Before July 15th
  - MPO adopts Final TIP
  - MPO submits Final TIP into Document Portal
  - District confirms MPO addressed all critical comments
- By July 15th
  - District recommends approval to OPP



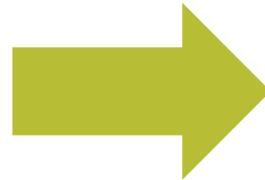
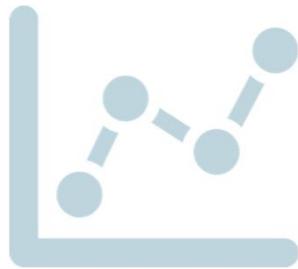


# Schedule





## Updated Safety Data Process



Safety Office provides  
data to OPP

OPP prepares and  
distributes

# Agenda

Time	Topic	Speaker
8:30 am – 8:45 am	Welcome and Introductions	Alison Stettner & Mike Neidhart
8:45 am – 9:15 am	Federal Partners Update	Karen Brunelle, Holly Liles & Cathy Kendall
9:15 am – 9:50 am	New District Dedicated Revenue (DDR) Policy	Gabe Matthews
<i>9:50 am – 10:00 am</i>	<i>BREAK</i>	
10:00 am – 12:00 pm	Carbon Reduction Strategy	April Combs
<i>12:00 pm – 1:00 pm</i>	<i>LUNCH</i>	

# Agenda

Time	Topic	Speaker
1:00 pm – 1:30 pm	2020 Census Urban Area Discussion / MPO Apportionment Plan & MPA Boundary Maps	Mike Neidhart & Joel Worrell
1:30 pm – 3:30 pm	Resilience Action Plan (RAP)	Jennifer Carver
<i>3:30 pm – 3:40 pm</i>	<i>BREAK</i>	
3:40 pm – 4:40 pm	MPOAC Led Group Discussion	Mark Reichert
4:40 pm – 5:00 pm	Wrap-Up, Next Steps, & Announcements	Alison Stettner & Mike Neidhart

# FEDERAL PARTNERS UPDATE

Karen Brunelle, Holly Liles, & Cathy Kendall





# FHWA/FTA Update

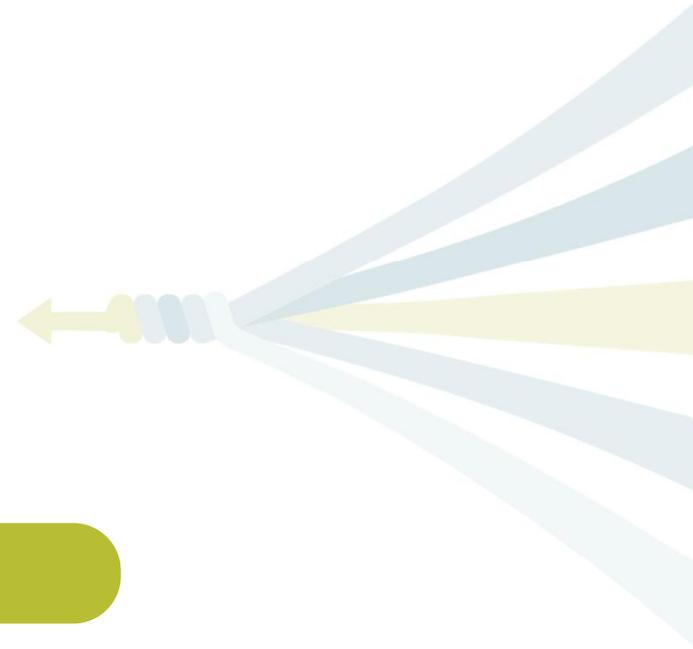


## FHWA

Karen Brunelle

## FTA

Holly Liles





# L RTP Expectations

Cathy Kendall

# NEW DISTRICT DEDICATED REVENUE (DDR) POLICY

Gabe Matthews



FLORIDA DEPARTMENT OF TRANSPORTATION



# *Policy Update*



DISTRICT DEDICATED REVENUE

# DDR



# Policy Change

Allows use of DDR funds for operations and maintenance (O&M) for new, premium transit projects



# Premium Transit

- Provides higher service compared to typical bus operations:
  - Comfort
  - Capacity
  - Speed
  - Frequency
  - Reliability
- Examples: BRT, Light Rail, Streetcar

# District Dedicated Revenue



Historically used to support a variety of projects

- Discretion given to districts
- Projects include resurfacing, public transportation, safety, complete street enhancements, etc.



# Funding Eligibility

For new, premium transit (or service extensions)

Project must be prioritized by MPO

Funding request should include a benefit/cost analysis

Start in new 5<sup>th</sup> year of Work Program

Discretion remains with the Department

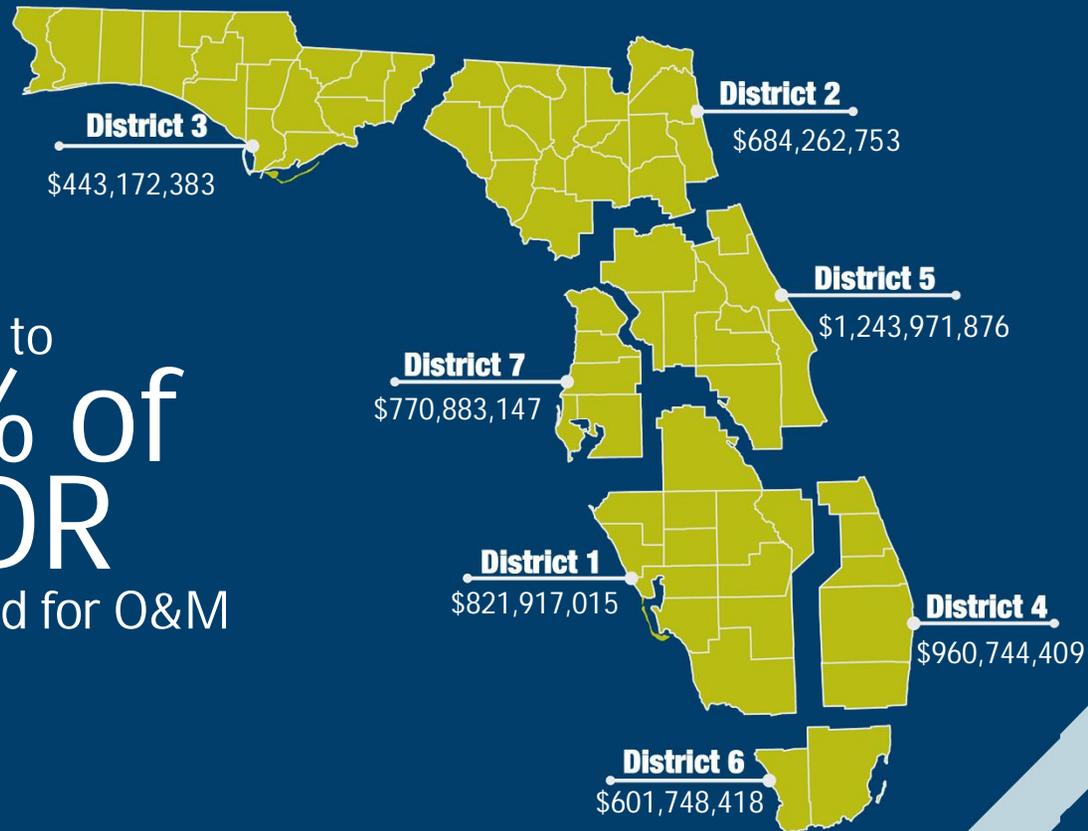
# Transit O&M Funding Limits

- Shall not exceed five years
- Decreasing sliding scale for department participation
  - 1<sup>st</sup> year: could be up to 100%
  - 5<sup>th</sup> year: no more than 25%
  - 6<sup>th</sup> year: no more funding available
- Must demonstrate funding beyond 5<sup>th</sup> year

# Current Work Program DDR Allocations

5-year totals shown below

Up to  
**15% of  
DDR**  
may be used for O&M





How do you think your agency will apply this?

# CLEARING THE PATH FOR A SAFER JOURNEY.

Dynamic Envelopes are pavement markings used to decrease unsafe stopping behavior for motorists, bicyclists, and pedestrians near railroad crossings. These white markings, coated with reflective glass powder, indicate the clearance needed for trains to safely pass.

**Dynamic Envelopes  
reduce vehicles stopped  
on or too close to the  
tracks by at least 15%.\***

\*According to FDOT Pilot Program



**Gabe Matthews**  
**Interim State Transit Manager**

 850-414-4803

 Gabrielle.Matthews@dot.state.fl.us

*Safety is Everyone's  
Responsibility*



# BREAK

9:50 am – 10:00 am



# CARBON REDUCTION STRATEGY

April Combs





# CARBON REDUCTION STRATEGY

Florida Metropolitan Planning Partnership  
February 1, 2023



# Carbon Reduction Strategy Requirements

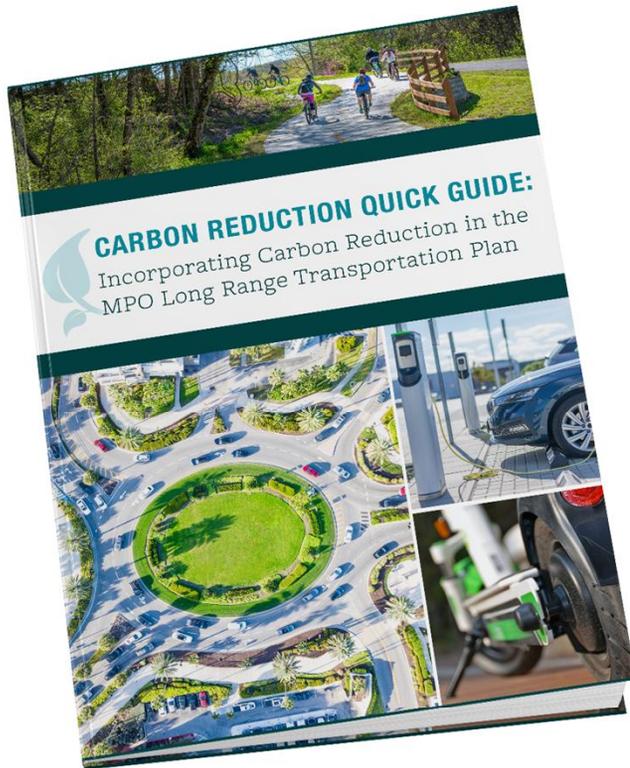
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- Support Federal goals to reduce transportation emissions by:
  - Reducing single-occupancy vehicle trips,
  - Facilitating the use of vehicles or modes of travel that result in lower emissions, and
  - Facilitating approaches to construction that result in lower emissions.
- Develop in consultation with MPOs
- Submit to FHWA by November 15, 2023



# L RTP Quick Guide

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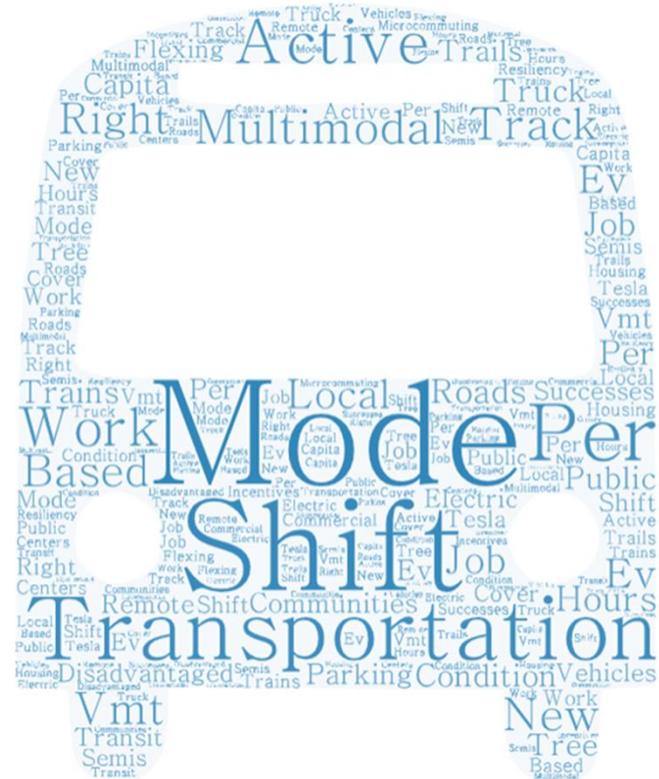
- Released December 14, 2022
- Feedback on Trends and Conditions Sections
  - Remote working
  - Flexing work hours
  - Mode shift
  - Micro-commuting
  - Truck Parking
  - Tree cover
- Look for updated trends in the Strategy

Available at: <https://www.fdot.gov/planning/policy/carbon-reduction-strategy>

# Recap of MPO Virtual Meeting

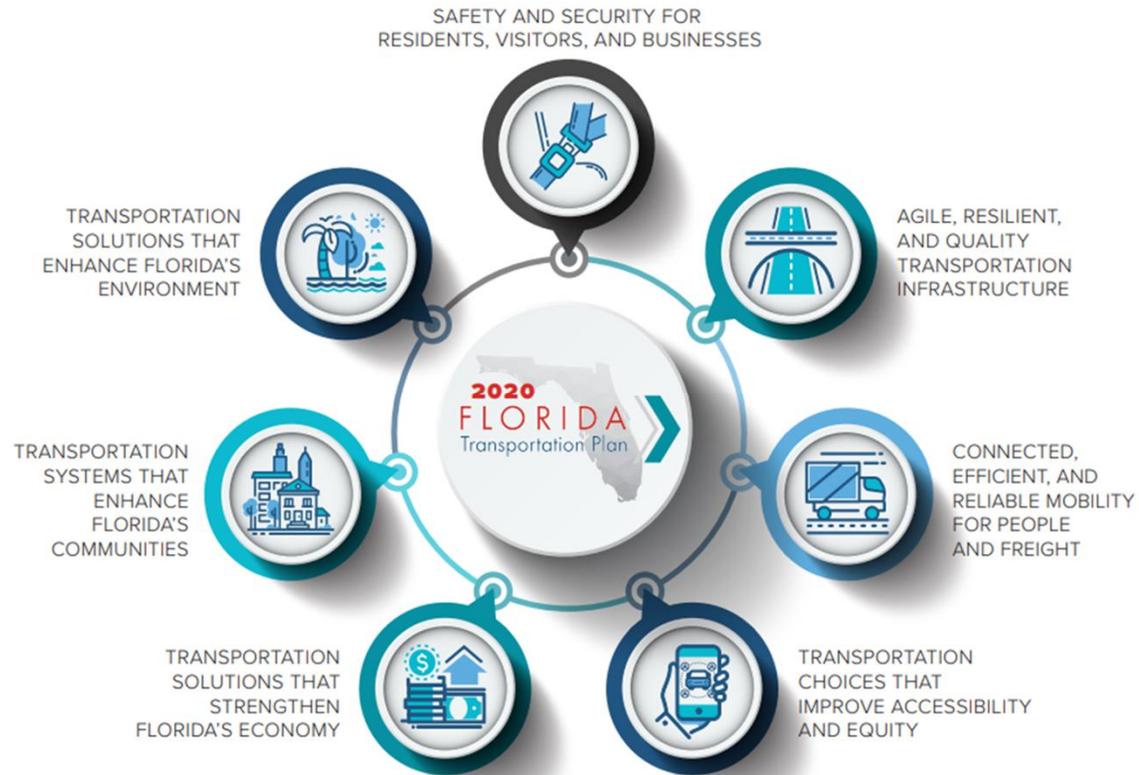
## Major Themes:

- More capacity **NO!**
- Focus on mode choice
- Include micromobility
- Diversify energy sources
- MPO consultative process is important!





# Florida Transportation Plan (FTP) Alignment



## FTP Alignment Cont.

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- Improve system connectivity
- Increase the reliability and efficiency of people and freight trips
- Increase alternatives to single occupancy vehicles
- Decrease transportation-related air quality pollutants and greenhouse gas emissions
- Increase the energy efficiency of transportation



# Breakout Instructions

1. Review FTP key strategies and implementation actions
2. Discuss gaps and opportunities. What's missing?
3. Report back to the group



## CARBON REDUCTION STRATEGY

### Energy Efficiency

**Federal Goal:** Facilitate the use of vehicles or modes of travel that result in lower emissions

**FTP Goal:** Connected, efficient, and reliable mobility for people and freight

**FTP Objectives:**

- Support job creation and economic development.
- Reduce transportation's impact on water, critical lands, and habitats.
- Decrease transportation-related air quality pollutants and greenhouse gas emissions.
- Increase the energy efficiency of transportation.

**DRAT CRS Objective:** Provide safe and convenient transportation options that appeal to consumers.

Theme	FTP Policy Element Strategy	FTP Implementation Action	Gaps and Opportunities
Technology & Mobility Solutions	<ul style="list-style-type: none"> <li>• Reduce the footprint of Florida's transportation system by <b>optimizing the use of existing infrastructure</b>, multiple modes and emerging mobility solutions into corridor rights of way.</li> <li>• Adapt transportation planning, design, construction, and maintenance techniques in transportation facilities, such as:                             <ul style="list-style-type: none"> <li>◦ Using emerging technologies, advanced materials and automated, connected, electric and shared vehicles to <b>minimize energy use</b>.</li> </ul> </li> <li>• Help local governments rethink how they manage streets, curbs, parking, and transit stops to support emerging mobility solutions such as transportation network companies and <u>micromobility</u> providers.</li> </ul>	<ul style="list-style-type: none"> <li>• Continue to emphasize <b>technology and operational improvements</b> to optimize the use of existing capacity to meet mobility needs for people and freight.</li> <li>• Develop a <b>statewide resilience action plan</b> and a carbon reduction strategy meeting federal requirements.</li> <li>• <b>Identify and share best practices</b> that support effective parking and curb management solutions to optimize the use of existing infrastructure and right-of-way.</li> </ul>	

# CARBON REDUCTION STRATEGY

*Stay Aware. Stay Alert.*



**April Combs**

Statewide Planning Coordinator

Phone: 850-414-4817

Email: [April.Combs@dot.state.fl.us](mailto:April.Combs@dot.state.fl.us)

# LUNCH

12:00pm – 1:00pm



# 2020 CENSUS URBAN AREA DISCUSSION / MPO APPORTIONMENT PLAN & MPA BOUNDARY MAPS

**Mike Neidhart & Joel Worrell**





# US Census Terminology

## 2010 Census

Urban clusters:  
an urban area with  
2,500-49,999 people

Urbanized area:  
an urban area with  
50,000+ people



## 2020 Census

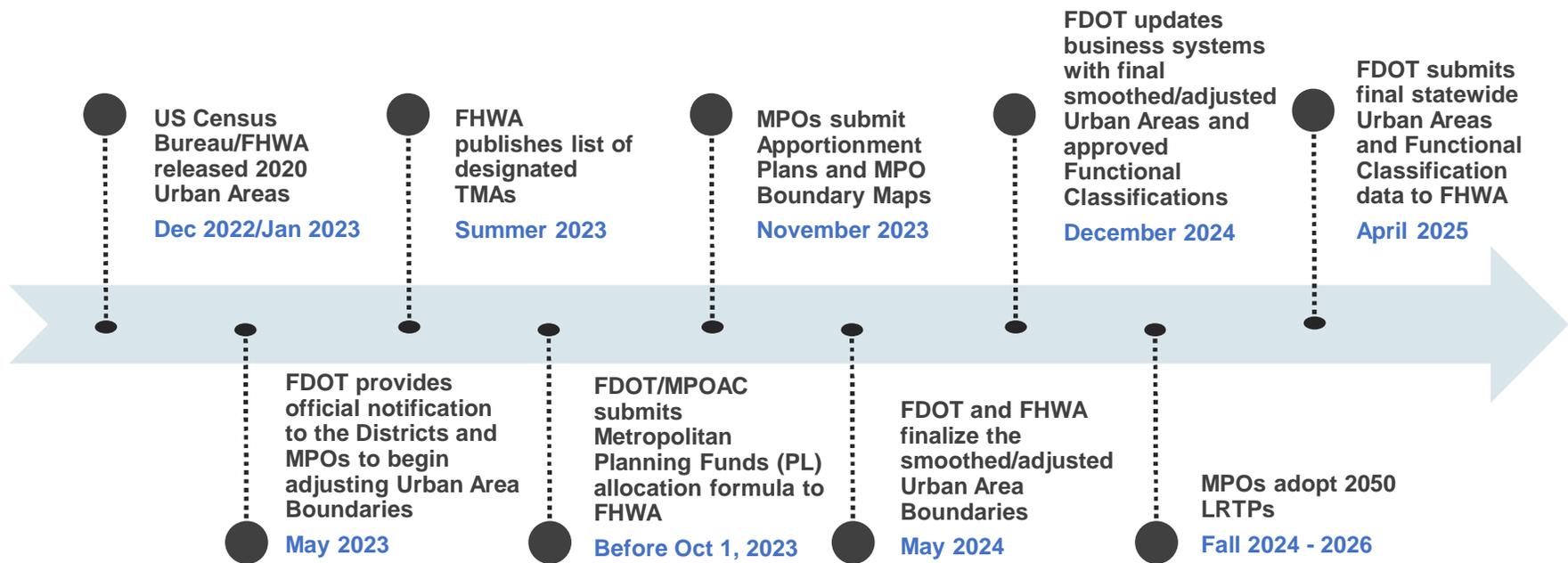
Urban area:  
5,000+ people or 2,000  
housing units



# 2020 Census Population

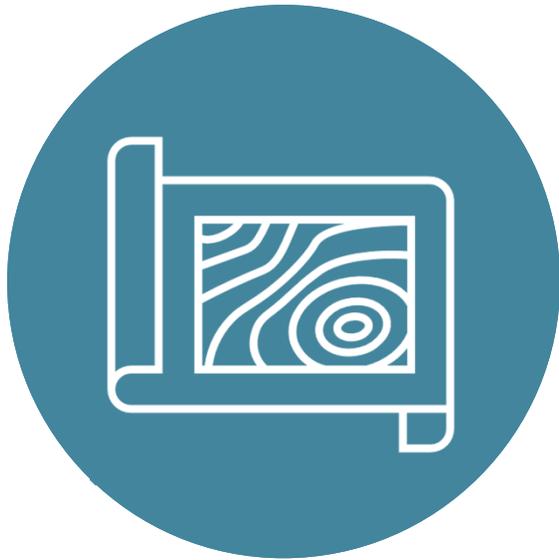
Urban Area	MPO	2020 Population	2010 Population
Miami--Fort Lauderdale, FL	Miami-Dade TPO / Broward MPO / Palm Beach TPA / Martin MPO	6,077,522	5,502,379
Tampa--St. Petersburg, FL	Forward Pinellas / Hillsborough TPO / Pasco County MPO	2,783,045	2,441,770
Orlando, FL	MetroPlan Orlando / Lake-Sumter MPO	1,853,896	1,510,516
Kissimmee--St. Cloud, FL	MetroPlan Orlando	418,404	314,071
Jacksonville, FL	North Florida TPO	1,247,374	1,065,219
Bradenton--Sarasota--Venice, FL	Sarasota/Manatee MPO / Lee County MPO / Charlotte County-Punta Gorda MPO	779,075	643,260
Cape Coral, FL	Lee County MPO / Heartland TPO / Charlotte County-Punta Gorda MPO	599,242	530,290
Bonita Springs--Estero, FL	Lee County MPO / Collier MPO	425,675	310,298
Palm Bay--Melbourne, FL	Space Coast TPO	510,675	452,791
Port St. Lucie, FL	St Lucie TPO / Martin MPO	437,745	376,047
Daytona Beach--Palm Coast--Port Orange, FL	River to Sea TPO / North Florida TPO	402,126	349,064
Deltona, FL	River to Sea TPO	210,712	182,169
Pensacola, FL--AL	Florida-Alabama TPO	378,359	333,801
Lakeland, FL	Polk TPO / Hillsborough TPO	277,915	262,596
Winter Haven, FL	Polk TPO	253,251	201,289
Tallahassee, FL	Capital Region TPA	252,934	240,223
Navarre--Miramar Beach--Destin, FL	Okaloosa-Walton TPO / Florida-Alabama TPO	226,213	191,917
Gainesville, FL	Gainesville MTPO	213,748	187,781

# MPO Activities Related to 2020 Census





## MPA Boundary Map



- May update the timeline to prepare maps from 120 days to 180 days
- Information used to develop the map:
  - ✓ Census criteria
  - ✓ Data assumptions used to determine the 20-year growth area



# Apportionment Plan



*Plan includes proposed membership, boundary map, and resolutions of support from each affected local government*



# FHWA MPO UA Boundary Smoothing Process

- Can propose adjustments to Census-defined boundaries to be more consistent with logical boundaries
- Coordinated by Transportation Data and Analytics Office & coincides with functional classification updates
- Guidance: The Urban Area Boundary and Functional Classification Handbook





# 2020 URBAN AREA BOUNDARY AND FUNCTIONAL CLASSIFICATION UPDATE

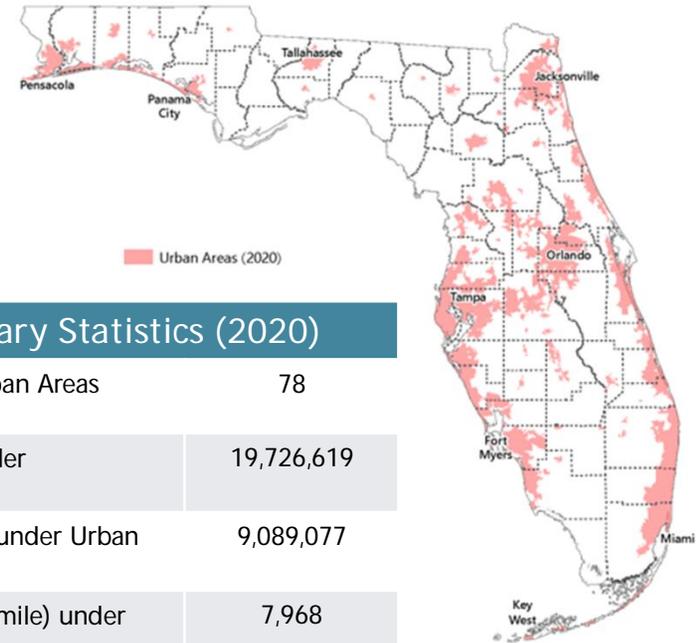
**Florida Metropolitan Planning  
Partnership Meeting**

February 1st, 2023



# 2020 Census and Urban Boundary Update

United States<sup>®</sup>  
Census  
2020



Urban Areas (UA) are revised every 10 years based on population counts from decennial census.



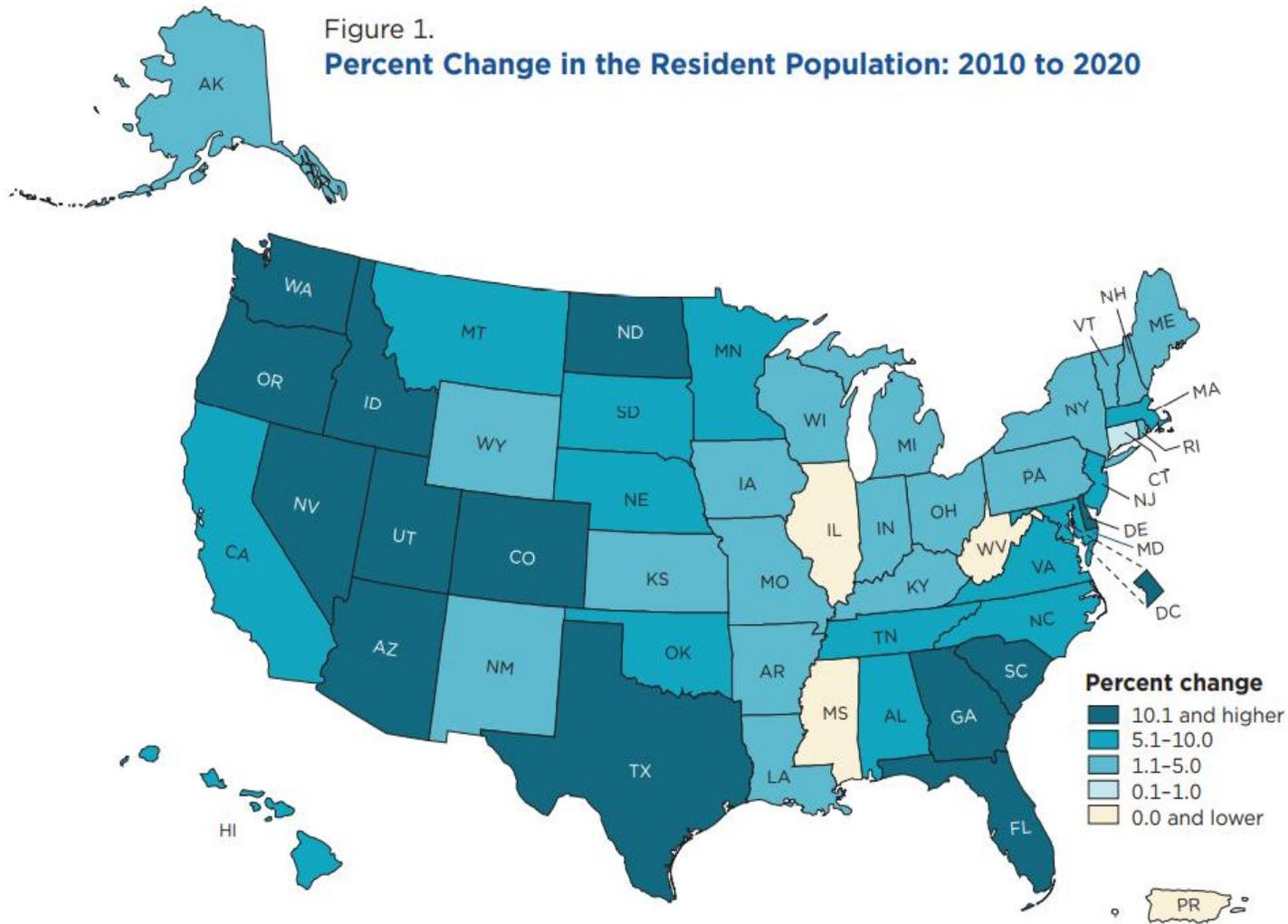
Urban Adjusted Boundaries (UAB) are adjusted to be consistent with transportation needs.



Functional Classification (FC) reviewed and updated in conjunction with adjusted urban boundaries.

## Summary Statistics (2020)

Number of Urban Areas	78
Population under Urban Areas	19,726,619
Housing units under Urban Areas	9,089,077
Land area (sq. mile) under Urban Areas	7,968
FL Population	21,538,187
FL Housing units	9,865,350



Source: U.S. Census Bureau, 2020 and 2010 Censuses.



# Final US Census Urban Area Criteria Highlights

Change minimum threshold for an urban area from 2.5k people to 5k people or 2k housing units.

Adoption of housing unit density instead of population density.

No distinction between types of urban areas (urban cluster vs. urban area). All qualifying areas are “urban areas.”

[Link: Differences between the Final 2020 Census Urban Area Criteria](#)

[Link: Defining Census Bureau Urban Areas - YouTube](#)



# Important Definitions of an Urban Area



## US Census Urban Areas

*Represent densely developed territory, and encompass residential, commercial, and other nonresidential urban land uses. Each urban area must encompass at least 2,000 housing units or at least 5,000 people.*



## FHWA Adjusted\* Urban Areas

*Designated boundaries of a Census urban area as adjusted by responsible State and local officials in cooperation with each other, subject to approval by FHWA.*



## Transportation Management Area

*An urbanized area with a population over 200,000, as defined by the Census Bureau and designated by the Secretary of Transportation, or any additional area where TMA designation is requested by the Governor and the MPO and designated by the Secretary of Transportation.*

*\*Adjusted Urban Areas are also considered Smoothed Urban Areas*



# Roles and Responsibilities

## Federal Highway Administration (FHWA)

- Provides Urban Area boundaries (UABs) and Functional Classification guidance.
- Reviews and approves draft and final adjusted UABs and Functional Classification updates made by FDOT and local entities.

## FDOT Central Office

- Provides finalized 2020 UABs from FHWA to Districts.
- Develops guidance on the UAB adjustment and Functional Classification update process to Districts and local entities.
- Provides guidance on policy planning to Districts, MPOs, and local entities.
- Coordinates reviews of UAB adjustments and Functional Classification updates with FHWA. And acquires signatures from FDOT leadership.
- Updates FDOT Business Systems with UAB and Functional Classification data and submits final approved changes to FHWA.

## FDOT Districts

- Receives UAB and Functional Classification data from FDOT CO.
- Coordinates with local agency partners and hosts regional workshops with MPOs.
- Coordinates proposed UAB adjustments and Functional Classification updates with planning partners and acquires signatures from local agencies.
- Delivers proposed changes of UAB maps, data, and functional classification updates to FDOT CO for review.
- Performs inventory of new functionally classified roadways and performs updates into RCI.

## Metropolitan/Transportation Planning Organizations (MPOs/TPOs)

- Updates its Metropolitan Planning Area (MPA) boundary map in consultation with the District.
- Updates its Apportionment Plan, which is the MPO's voting membership structure.
- Coordinates with local governments and the District on the process to adjust the Functional Classification of roadways within the MPO area.

# Urban Boundary and Functional Class Resources

- 2020 UA data from FHWA
  - ArcGIS Hubsite
- FDOT Central Office and District Process Guidance
  - Urban Boundary and Functional Classification of Roadways Procedure (525-020-311)
  - Urban Boundary and Functional Classification of Roadways Handbook

## FDOT Website Resources

- [Urban Boundary and Functional Class Process Information](#)
- [Urban Boundary and Functional Class ArcGIS Data Hub Link](#)

### Resource Information

December 2022 is the estimated start date for State DOTs and MPOs to start adjusting these boundaries and to update functional classifications. The Census Bureau's final criteria for defining urban areas based on the results of the 2020 Decennial Census has been published. The Census is updating their Issues FAQs.

- 2010 Census Maps
- 2013 Functional Classification Guidance
- 2013 FHWA Edition - Highway Functional Classification Concepts, Criteria and Procedures
- 2020 Estimated Schedule of Activities
- 2020 Final Urban Area Criteria
- Census Frequently Asked Questions
- Metropolitan Planning Program Staff/District MPO Lessons Learned PDF
- Urban Areas for the 2020 Census
- Urban Boundary and Functional Classification Handbook
- Urban Boundary and Functional Classification Procedure (525-020-311)



FHWA Functional Classification & Urban Boundary Training Slides



FHWA Functional Classification & Urban Boundary Training Video

### Timeline

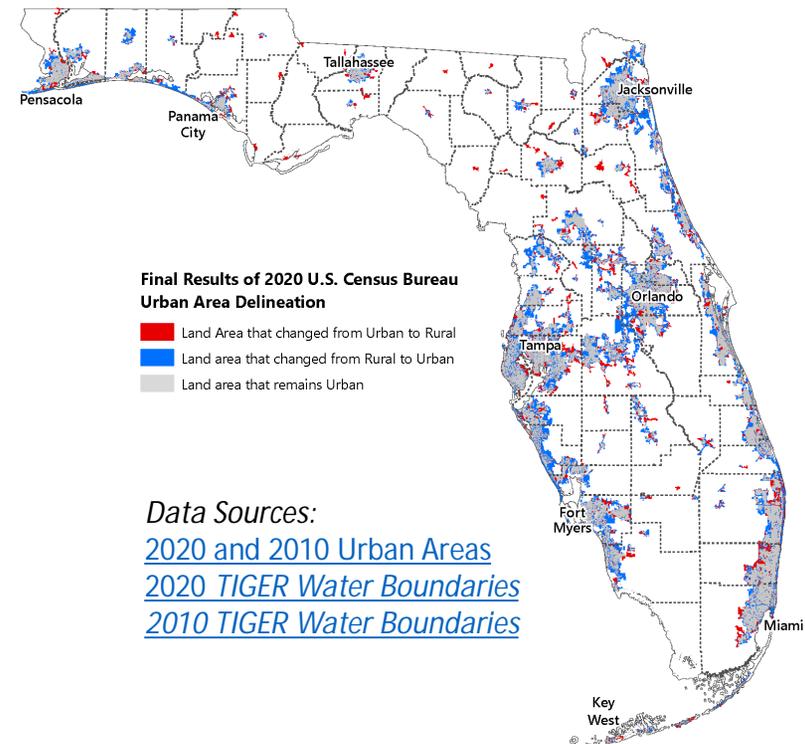


# Major Changes (2020 v 2010)

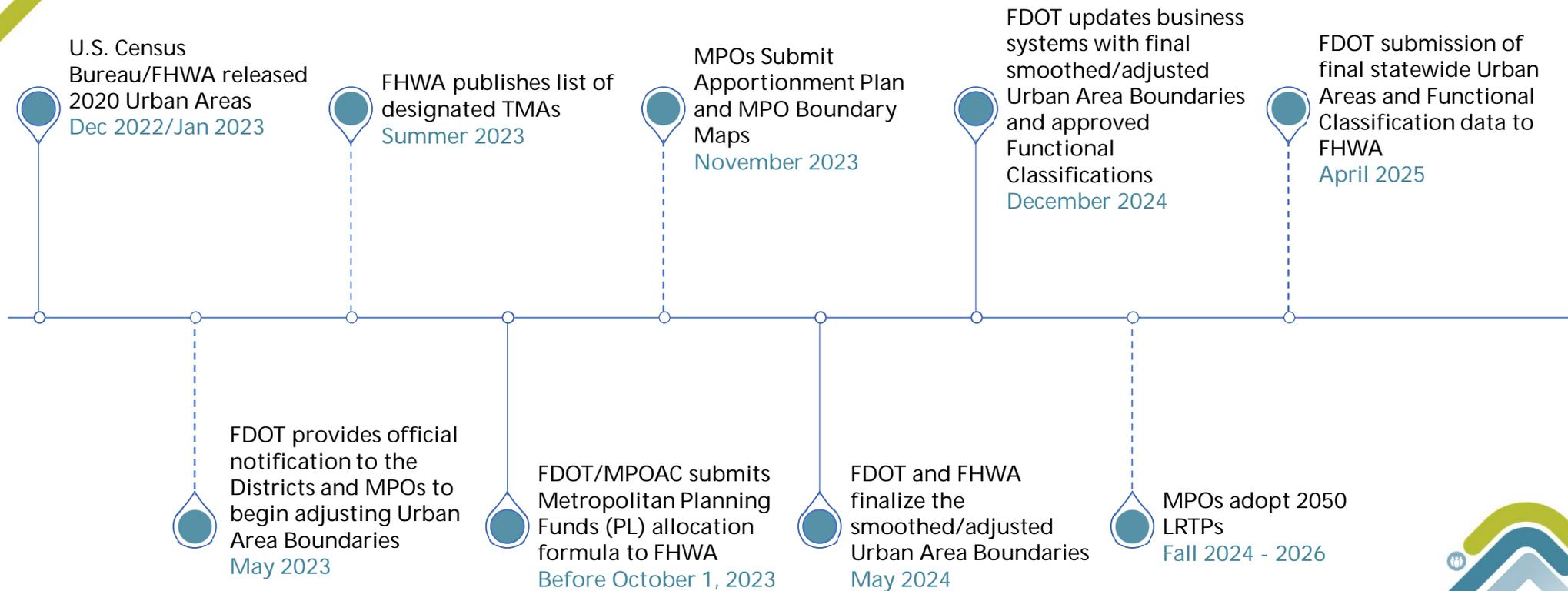
Quick Statistics	2010	2020
Number of urban areas:	104*	78
% Population under urban area	91.2%	91.6%
% Housing units under urban area	91.21%	92.13%
% Land Area is urban	13.82%	14.86%**

\*Include Urbanized Areas and Urban Clusters.

- **6,808 sq. miles:** Land area that remains Urban
- **1,160 sq. miles:** Land area that changed from Rural to Urban
- **600 sq. miles:** Land Area that changed from Urban to Rural
- **33 urban areas** with population  $\geq 50,000$  (30 in 2010)
- **18 urban areas** with population  $\geq 200,000$  (15 in 2010)

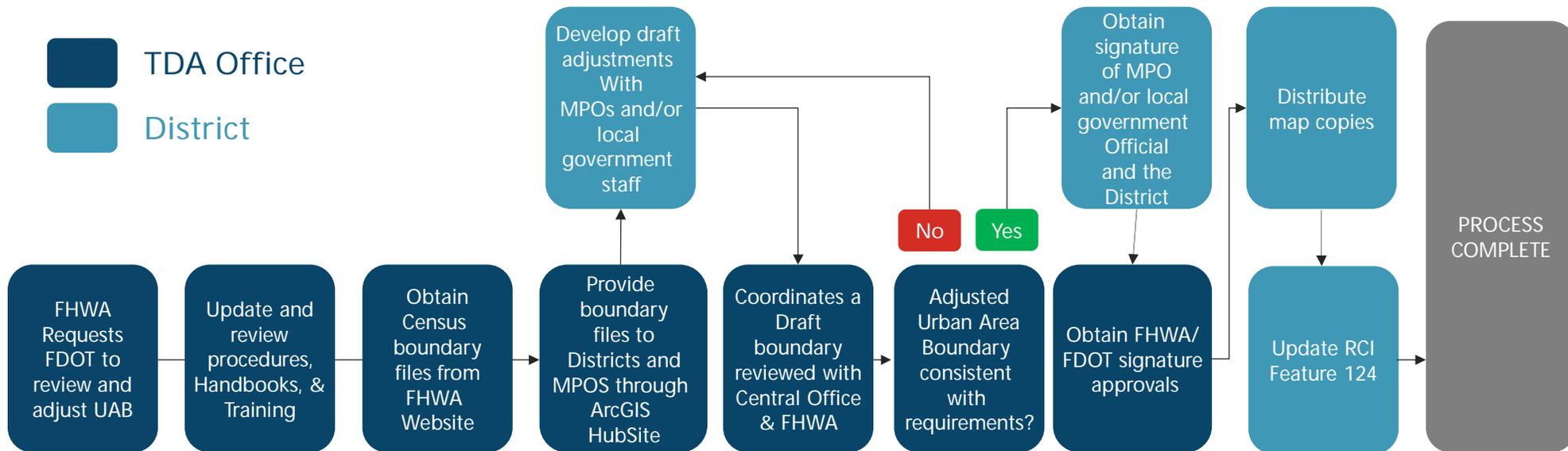


# Urban Area Adjustment and Review Process Timeline

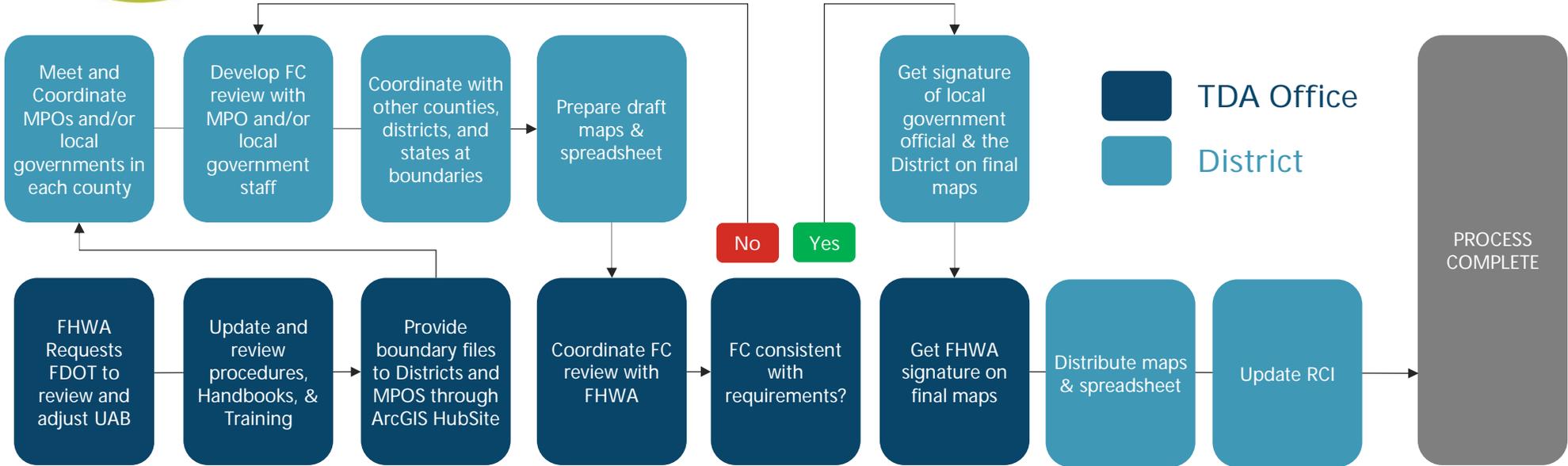




# Urban Area Boundary Adjustment Process Flow Chart



# Functional Classification Review Package Process Flow Chart





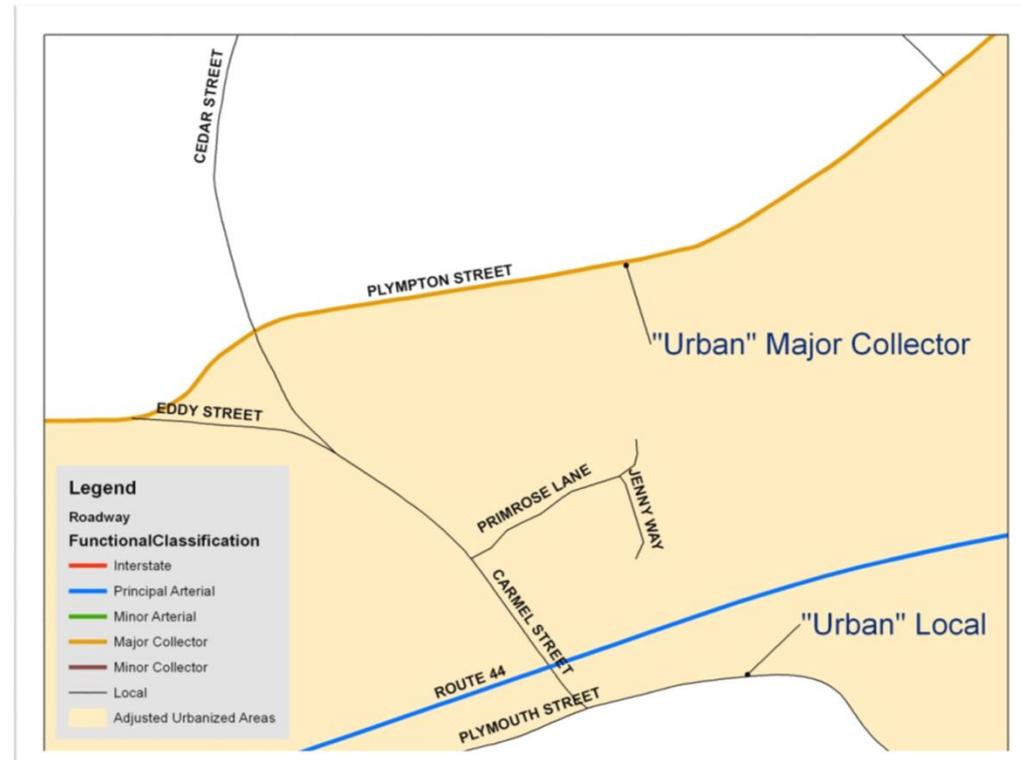
# FHWA Guidance and Main Takeaways

# Census Urban Area Boundaries – Reasons to Expand and Adjust

Urban and rural demarcation defined by function not urban area boundary

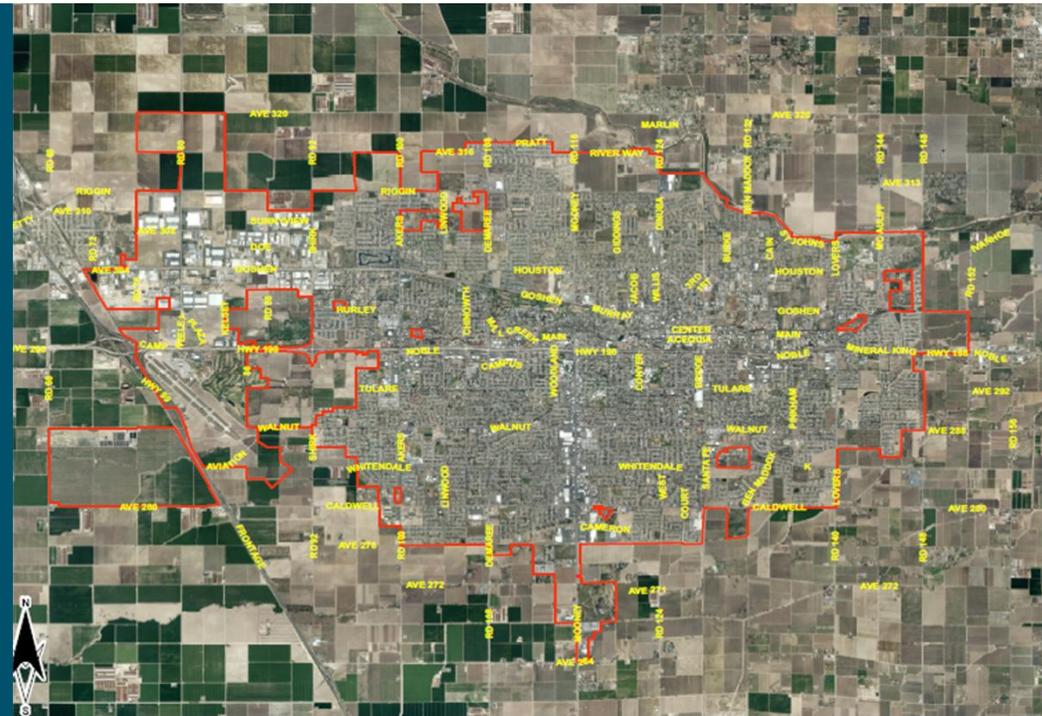
Roads that define a boundary should be consistently urban or rural

Area must encompass Census Bureau urban area, at a minimum



# Census Urban Area Boundaries – Adjustment Considerations

- ✓ Include entire municipality
- ✓ Include areas with urban characteristics
- ✓ Include large/significant generators, e.g., airports, industrial areas, transportation terminals, transit routes
- ✓ Boundary should follow municipal limits or physical features
- ✓ Boundary should be easy to discern
- ✓ Boundaries should be simple, without irregularities
- ✓ Boundaries should not split roadways or ramps
- ✓ Boundaries should be one contiguous area





# Adjusted Urban Area Boundaries Guideline Summaries

- ✓ Boundaries should encompass the entire Census Bureau urban area
- ✓ Boundaries should be one contiguous area
- ✓ Boundaries should be simple, without irregularities
- ✓ Boundaries should follow municipal boundaries or other physical features
- ✓ Boundaries should include areas with urban characteristics, such as airports, industrial areas, transportation terminals, major activity centers, etc.

Reference:

[https://www.fhwa.dot.gov/planning/processes/statewide/related/highway\\_functional\\_classifications/fcauab.pdf](https://www.fhwa.dot.gov/planning/processes/statewide/related/highway_functional_classifications/fcauab.pdf),

Note: States and MPOs may choose not to adjust the Census urban boundaries



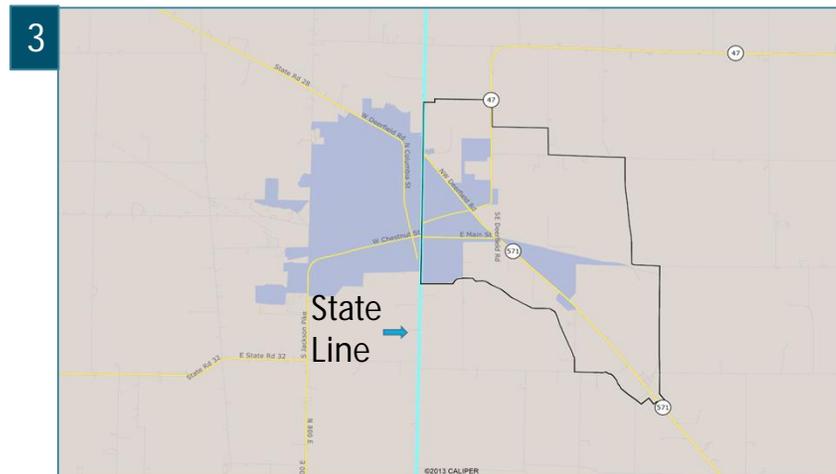
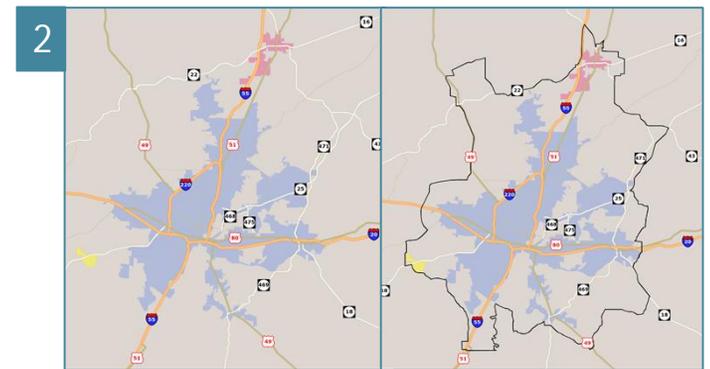
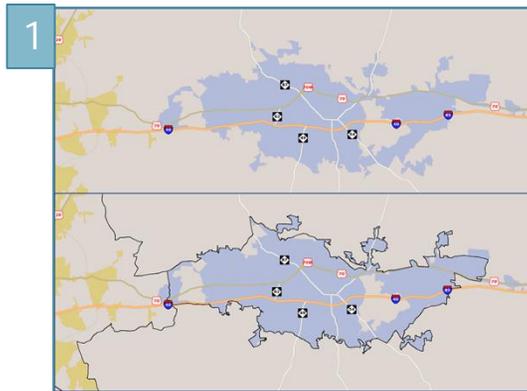
# Summary of Common Errors in Adjusting 2010 Census Urban Boundaries

1 Boundaries do not encompass an entire Census Bureau urban area.

2 One adjusted urban area is not associated with one census urban area

3 States/Districts do not coordinate in adjusting multi-state urban areas

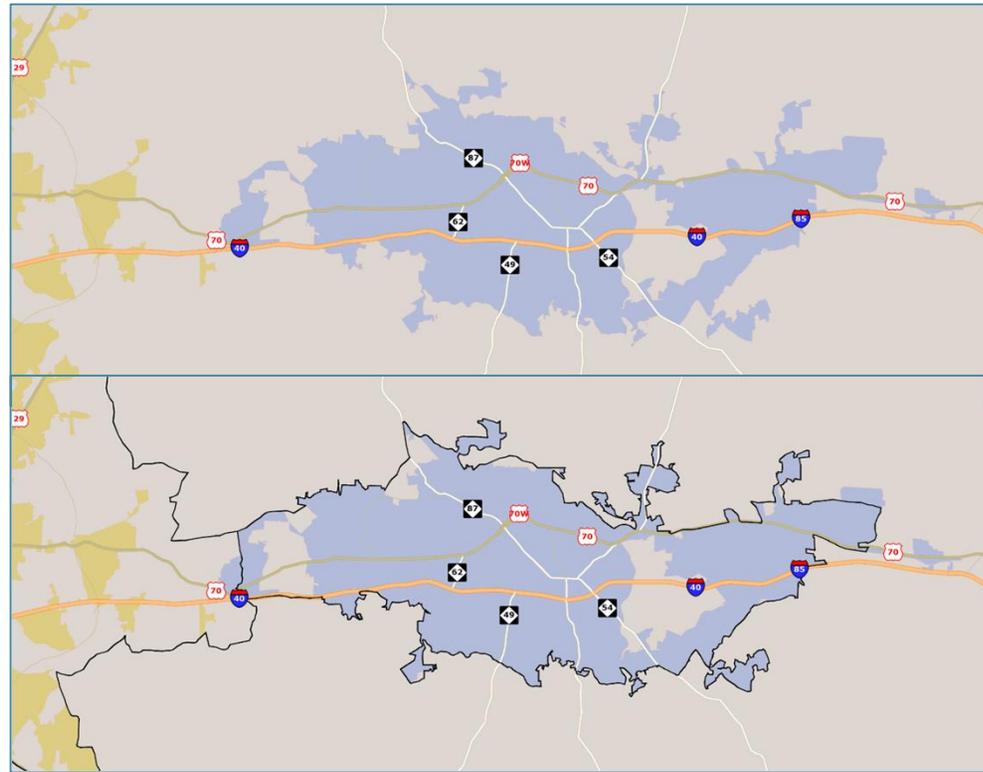
Adjustment of those Census urban areas that are not defined as FHWA urban areas (*may not be applicable to the 2020 urban areas*)



# Common Errors Found in Adjusting Census Urban Areas

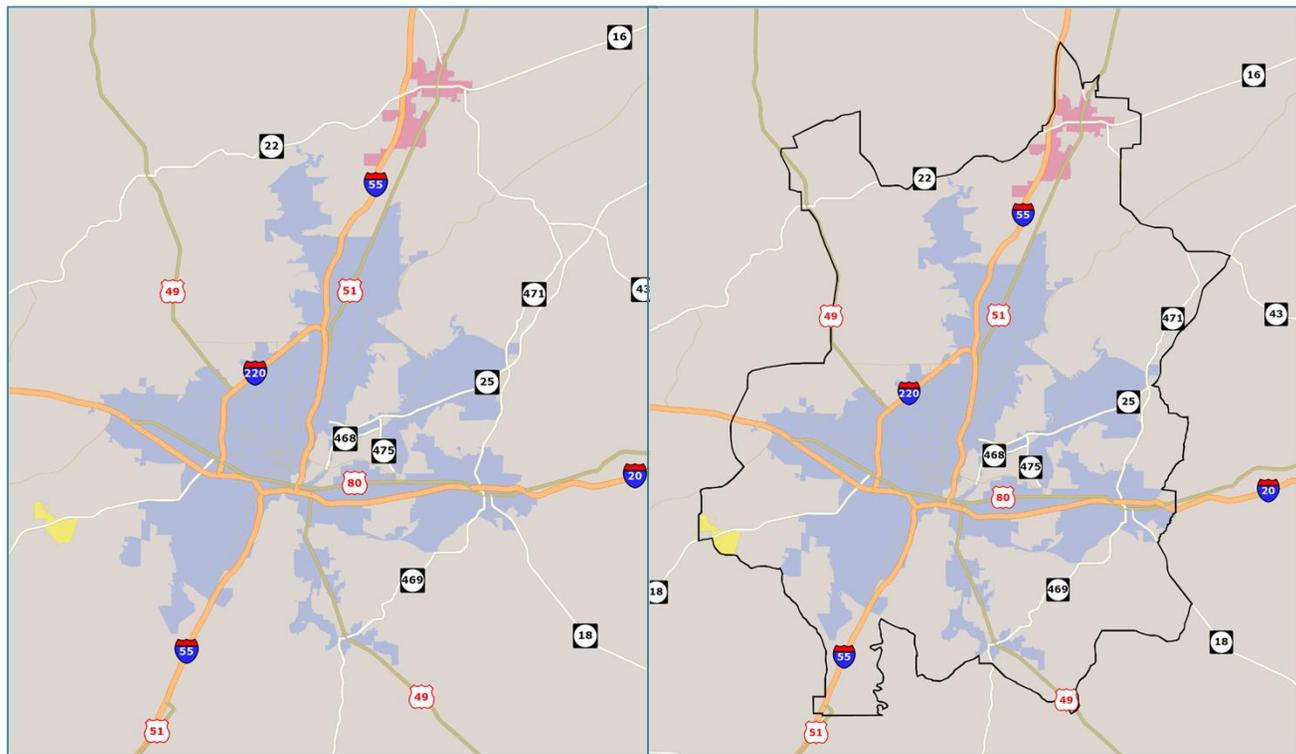
Error:

- Missing portions of Census Urban areas



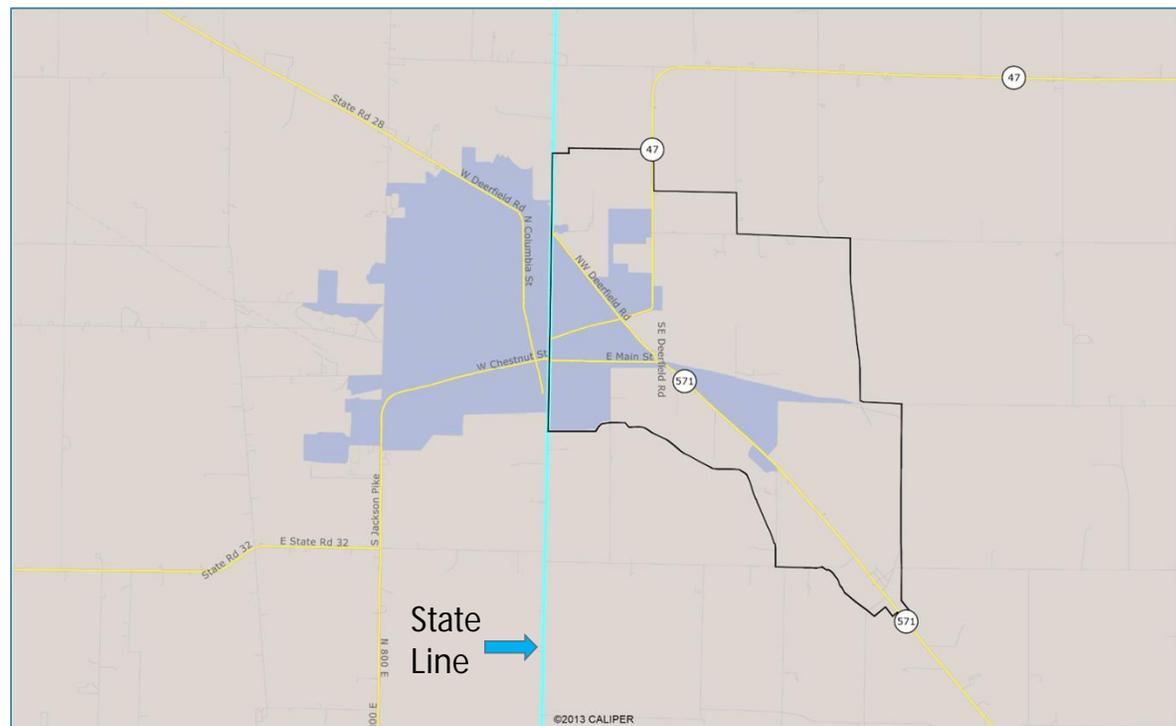
# Common Errors Found in Adjusting Census Urban Areas

Errors:  
One-to-One relationship:  
multiple Census Urban Areas in one Adjusted Urban Area, should be 3 Adjusted Urban Areas



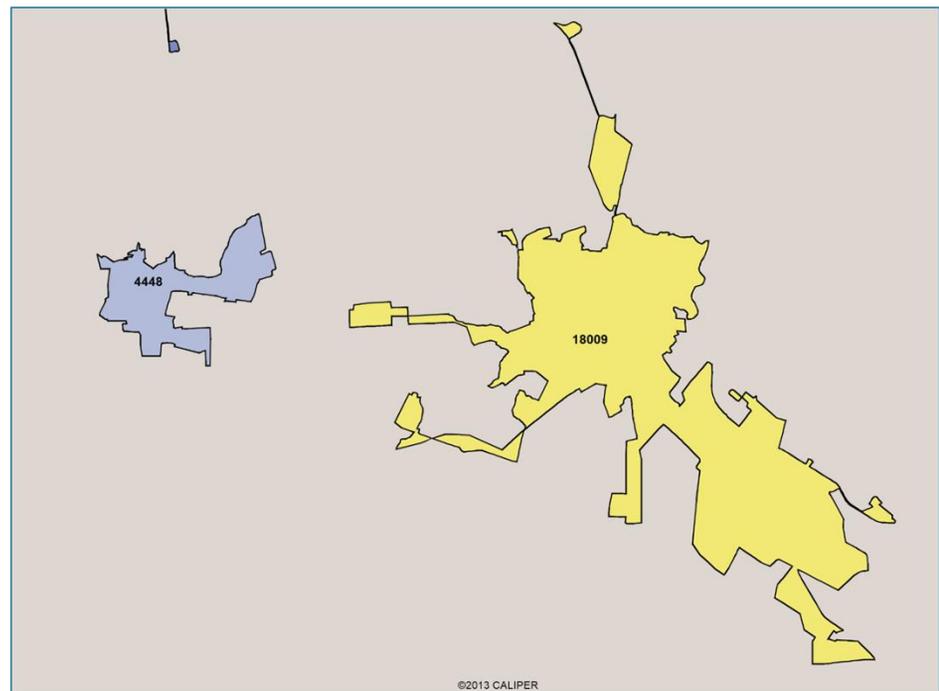
# Common Errors Found in Adjusting Census Urban Areas

Multi-State Urban Areas:  
Each state adjusts only their  
own state portion without  
working with other states

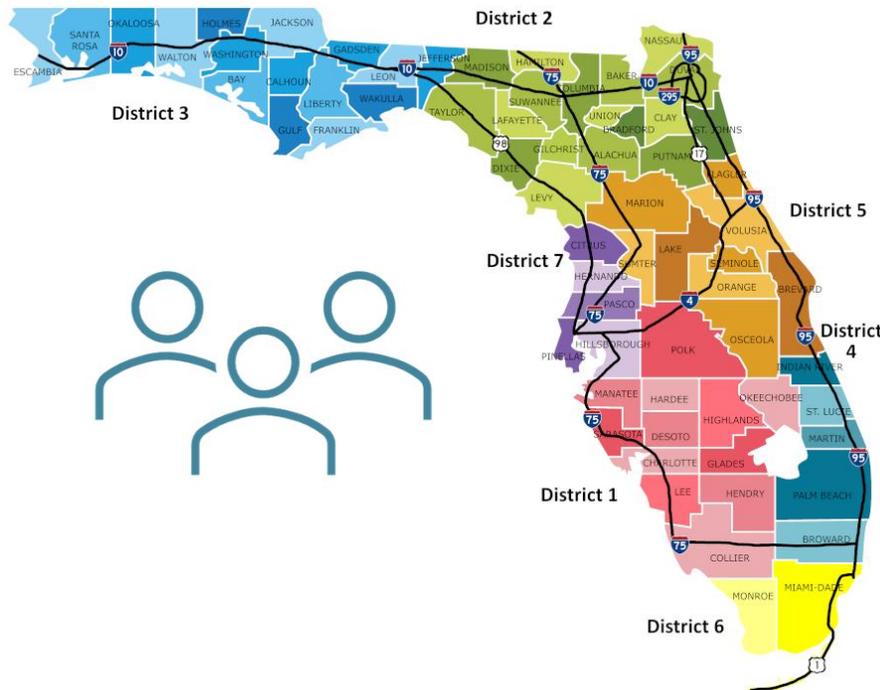


# Common Errors Found in Adjusting Census Urban Areas

FHWA Urban Area Definition:  
Decennial Census Population of 5,000  
or more, the one in blue should not be  
included as an FHWA urban area  
(population = 4,448)



# Urban Boundary and Functional Classification District Contacts



- District 1 – Kyle Purvis, Joel Graeff
- District 2 – David Tyler, Justin Bellot, and Brian Austin
- District 3 – Geoff Hynes, Mark Brock, Bryant Paulk, Corey Webb, and Cynthia Boyette
- District 4 – Kara Schwartz-DiMaina
- District 5 – Alice Giuliani, Cheryl Burke, Jim Wood, Jason Learned, and Clif Tate
- District 6 – Ana Calleja, Ken Jeffries
- District 7 – Sherry Melaragno, Anita Montjoy
- Turnpike - Juan Echevarria, Justin Hall



# Questions



## Mike Neidhart

Office of Policy Planning  
Metropolitan Planning Administrator

 605 Suwannee Street  
Tallahassee, FL 32399

 850-414-4905

 [Mike.Neidhart@dot.state.fl.us](mailto:Mike.Neidhart@dot.state.fl.us)  
<https://www.fdot.gov/planning/policy/default.shtm>

## Joel Worrell

Transportation Data and Analytics Office  
Transportation Data Inventory Manager

 605 Suwannee Street  
Tallahassee, FL 32399

 850-414-4715

 [Joel.Worrell@dot.state.fl.us](mailto:Joel.Worrell@dot.state.fl.us)  
<https://www.fdot.gov/statistics/>

# RESILIENCE ACTION PLAN (RAP)

Jennifer Carver





# RESILIENCE ACTION PLAN

presented to

*Florida Metropolitan  
Planning Partnership*

presented by

*Jennifer Z. Carver, AICP  
FDOT Office of Policy Planning*

*February 1, 2023*



# FLORIDA TRANSPORTATION PLAN

SAFETY AND SECURITY FOR RESIDENTS, VISITORS, AND BUSINESSES

TRANSPORTATION SOLUTIONS THAT ENHANCE FLORIDA'S ENVIRONMENT



AGILE, RESILIENT, AND QUALITY TRANSPORTATION INFRASTRUCTURE

TRANSPORTATION SYSTEMS THAT ENHANCE FLORIDA'S COMMUNITIES



FLORIDA  
Transportation Plan

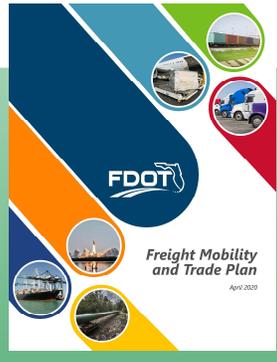


CONNECTED, EFFICIENT, AND RELIABLE MOBILITY FOR PEOPLE AND FREIGHT

TRANSPORTATION SOLUTIONS THAT STRENGTHEN FLORIDA'S ECONOMY

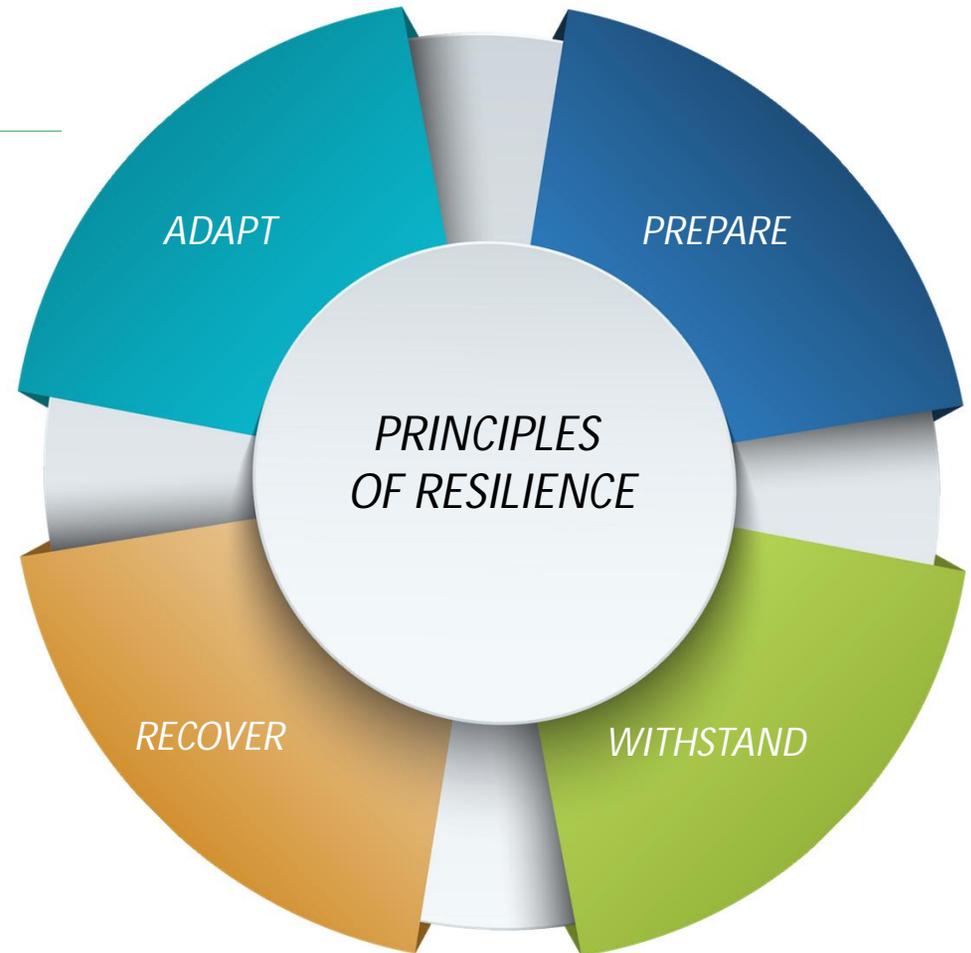


TRANSPORTATION CHOICES THAT IMPROVE ACCESSIBILITY AND EQUITY



# RESILIENCE POLICY

- Ability to **adapt** to changing conditions and **prepare** for, **withstand**, and **recover** from disruption
- Identify risks, particularly related to:
  - Storms
  - Flooding
  - Sea level rise
- Assess potential impacts
- Employ strategies to avoid, mitigate, or eliminate impacts



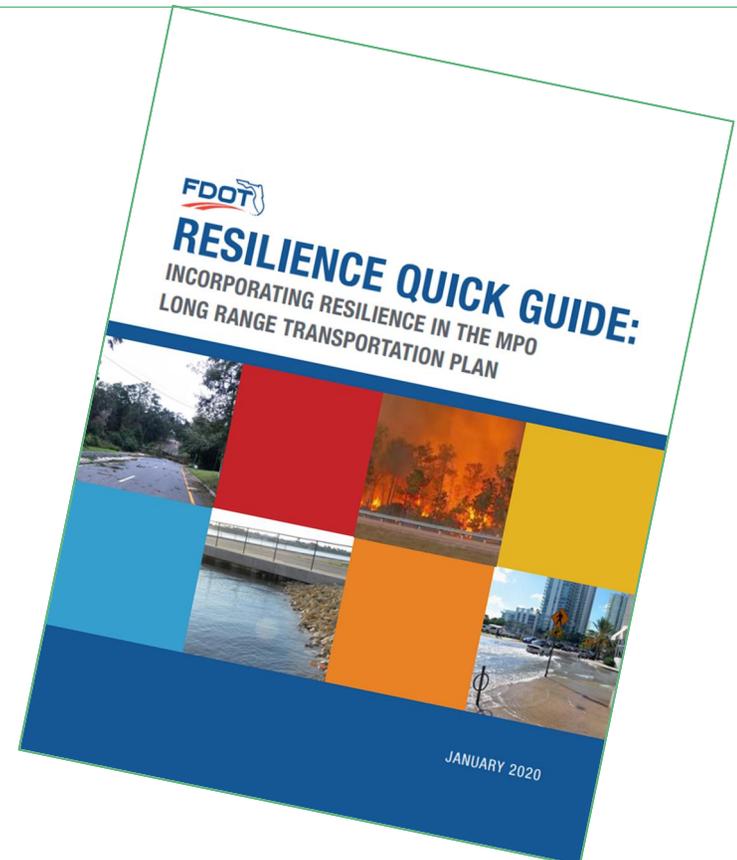
# L RTP RESILIENCE QUICK GUIDE

## ➤ New

- Infrastructure Investment and Jobs Act (IIJA)
- PROTECT funding program
- Resilience Improvement Plan/Resilience Action Plan
- FDOT Resilience Policy

## ➤ Updated

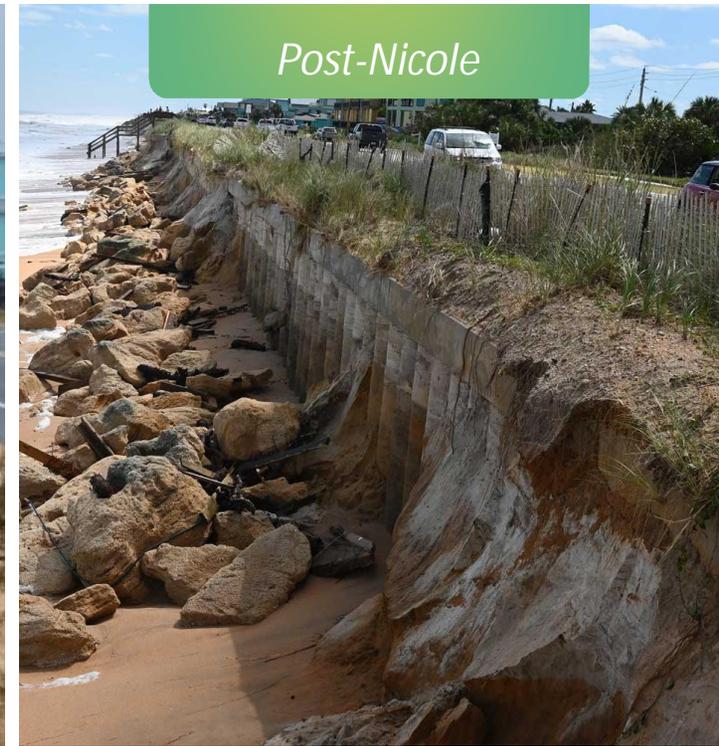
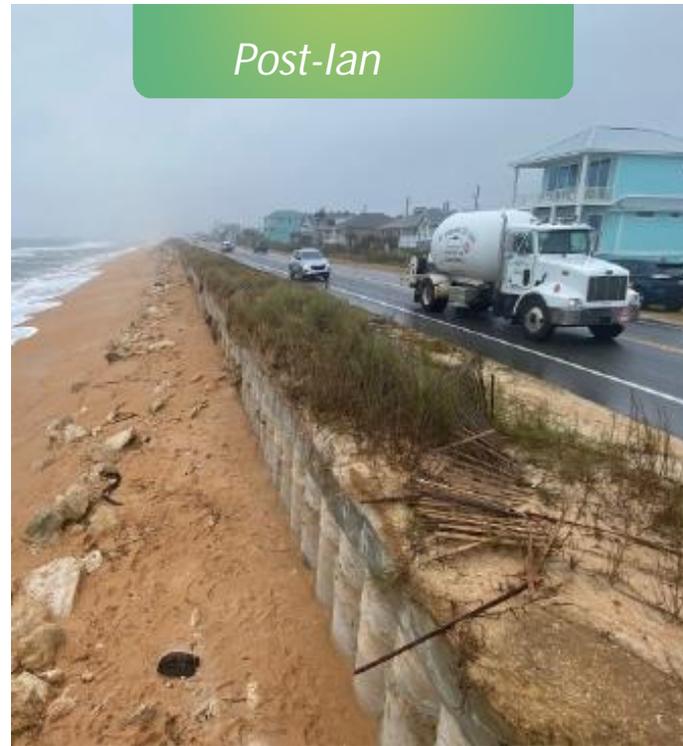
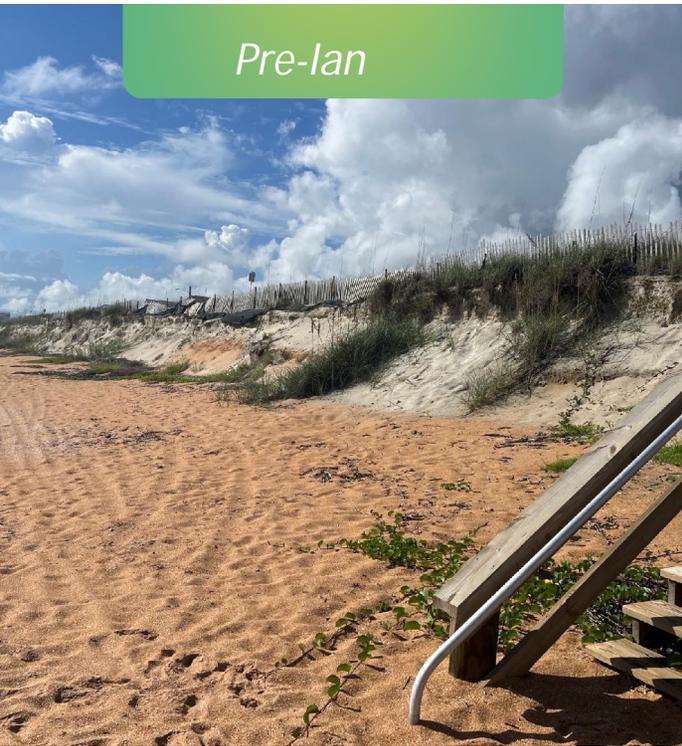
- Florida Noteworthy Practices
- National examples



# INHERENT RESILIENCE

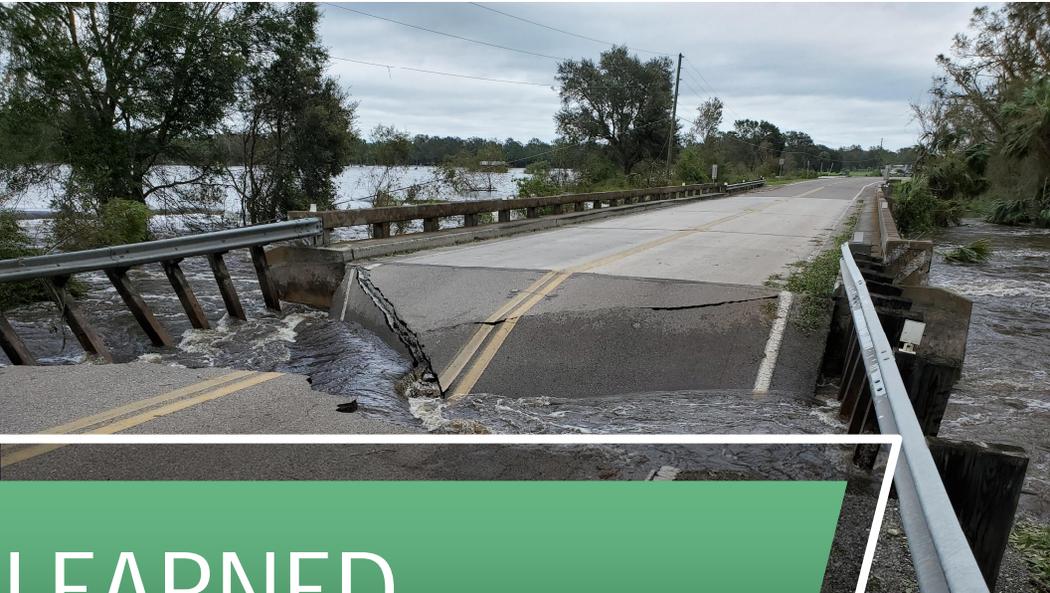
- Design criteria
- Stormwater/drainage design procedures
- Nature-based solutions
- Context sensitive, complete streets
- Local partner coordination



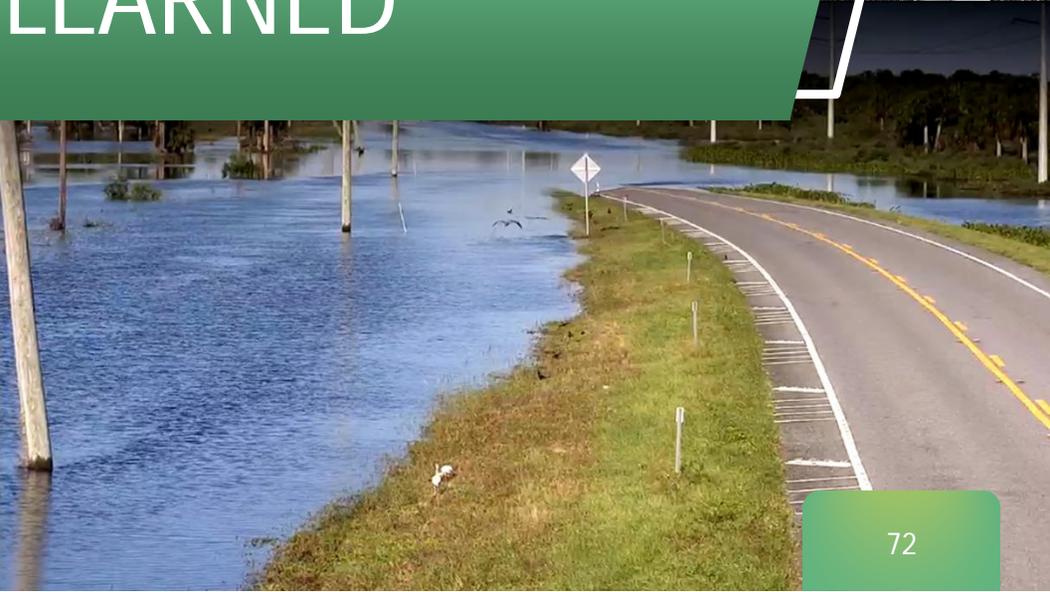


# SR A1A *HURRICANES IAN & NICOLE*

- Nature-based hybrid solution
- Dune washed away, but buried secant-pile bulkhead/seawall
- Protect transportation facility from storm-related wave action and erosion



# LESSONS LEARNED



## RESILIENCE FOCUS IN FLORIDA

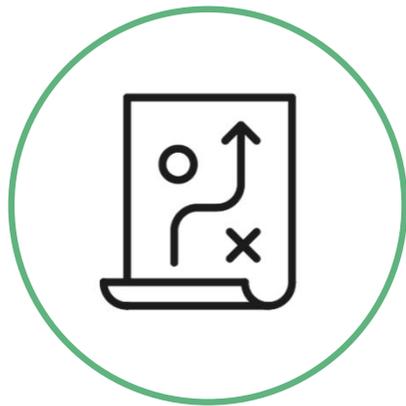
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- Sea Level Impact Projection (SLIP) Studies
- Resilient Florida
- Florida Flood Hub
- Statewide Office of Resilience/Chief Resilience Officer
- FDOT Resilience Action Plan (RAP)



# RESILIENCE ACTION PLAN GOALS

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Recommend strategies to enhance infrastructure and operational resilience



Recommend design changes for existing and new facilities



Enhance partnerships to address multijurisdictional resilience needs

# RESILIENCE ACTION PLAN ELEMENTS

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Historic/  
current issues



Alternatives to retrofit existing  
infrastructures and systems



FDOT policies  
& procedures

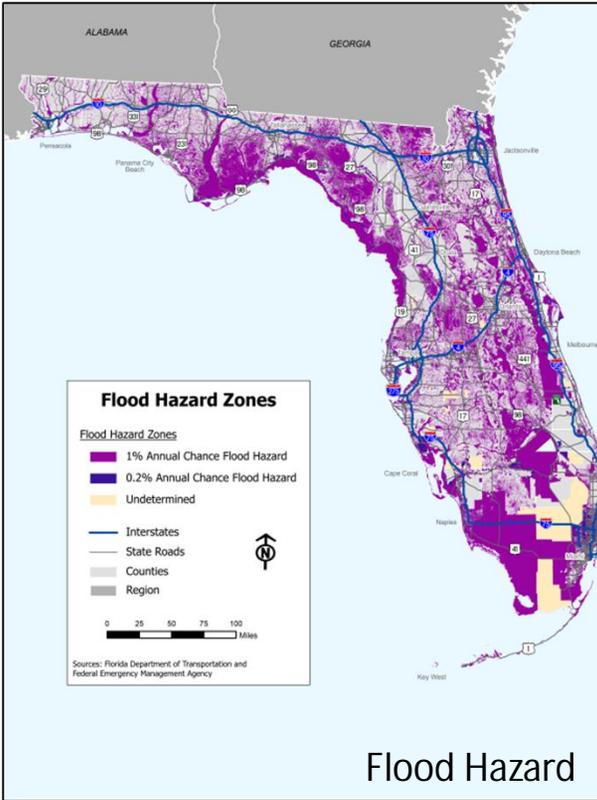


Database of vulnerable assets



Vulnerability assessment  
of State Highway System

# VULNERABILITY ASSESSMENT



# VULNERABILITY ASSESSMENT: PRIORITIZATION

Vulnerability	Hazards affecting an area		
	1% annual chance of flooding (100-year flood zone)	2 feet of sea level rise	Category 3 storm surge
<b>High</b>	Areas affected by all three hazards		
<b>Medium</b>	Areas affected by any two of the three hazards		
<b>Low</b>	Areas affected by any one of the three hazards		
<b>Other</b>	Remaining areas not within the hazard areas above		

# RESILIENCE ACTION PLAN STRATEGY AREAS

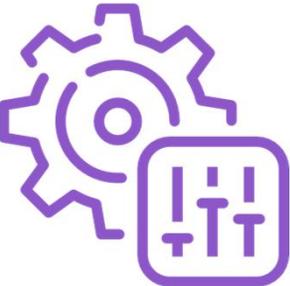
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Planning/PD&E



Design &  
Construction



Operations



Asset  
Management

# EXAMPLE PLANNING AND PD&E STRATEGIES



	Policy	<ul style="list-style-type: none"><li>• Identify new and existing measures to track resiliency.</li><li>• Develop program and eligibility guidance to identify and maximize funding for transportation resilience needs.</li></ul>
	Emergency Management	<ul style="list-style-type: none"><li>• Incorporate data from disaster events and recovery into planning and project development activities.</li><li>• Conduct cross functional post-response evaluations to identify lessons learned and actions to continuously improve mobility and reliability during events.</li></ul>
	Data	<ul style="list-style-type: none"><li>• Maintain and identify/develop tools to evaluate impacts of hazards to transportation infrastructure.</li><li>• Continue resilience research, best practices, update plans periodically or when new data is available to keep resilience work ongoing.</li></ul>
	Decision-Making	<ul style="list-style-type: none"><li>• Develop cost-benefit tools for project evaluation.</li><li>• Include resilience assessments in study/project scopes of work.</li></ul>
	Collaboration	<ul style="list-style-type: none"><li>• Embrace a holistic and collaborative approach to identifying and addressing hazard impacts to the transportation system and communities.</li><li>• Enhance external collaboration for data/information sharing for efficiency and development of resilient systems across jurisdictional boundaries.</li></ul>

# DATABASE OF VULNERABLE ASSETS

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- State Highway System
- Hazards
  - Flooding
  - Storm surge
  - Sea level rise
- Repeat repair locations
- Segments of roads exposed
- Bridges exposed
- Strategic Intermodal System
- Context classification
- Population and employment density
- Climate & Economic Justice Screening data
- Vulnerability tiers

# RESILIENCE ACTION PLAN NEXT STEPS



Finalize Vulnerability  
Assessment &  
Prioritization



Continue  
Outreach



Finalize Strategies,  
Technical Assistance, &  
Database

Plan due to Governor and Legislature by June 30, 2023

# FEDERAL PROTECT PROGRAM

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- Promoting Resilience Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT)
- Formula and discretionary funding
- Formula funding allocated to FDOT districts
- Emphasis on incremental improvements and natural hazards



# SMALL GROUP ACTIVITIES

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- Activity 1: Review Draft Strategies (25 minutes)
- Activity 2: Review Prioritization Framework (15 minutes)
- Activity 3: Identify Technical Assistance Needs (10 minutes)
  - Review the materials in your folder
  - Group discussion
  - Record your comments, suggestions on the flipcharts
- Come Back! for Large Group Discussion

*Don't Drive Into the Unknown.....*



*.....Stay Away from Flooded Streets!*

For more information, please contact:

Jennifer Z. Carver, AICP



Jennifer.Carver@dot.state.fl.us



850-414-4820

# BREAK

3:30 pm – 3:40 pm



# MPOAC LED GROUP DISCUSSION

Mark Reichert





# MPOAC Led Group Discussion Topics

- » **PL Formula**
- » **Reimbursement for Stolen Funds**
- » **STGB Set Aside for Transportation Alternatives**
  - How MPOs can work with Districts
- » **District Inconsistency in Programming**
  - Carbon Funds, SU Fund, CRRSA, and CMAQ
- » **Creative Use of SU funds**



# WRAP-UP, NEXT STEPS, AND ANNOUNCEMENTS

**Alison Stettner & Mike Neidhart**

Thank you for joining us!

Please fill out the closing survey





# 2020 Census and Urban Area Results



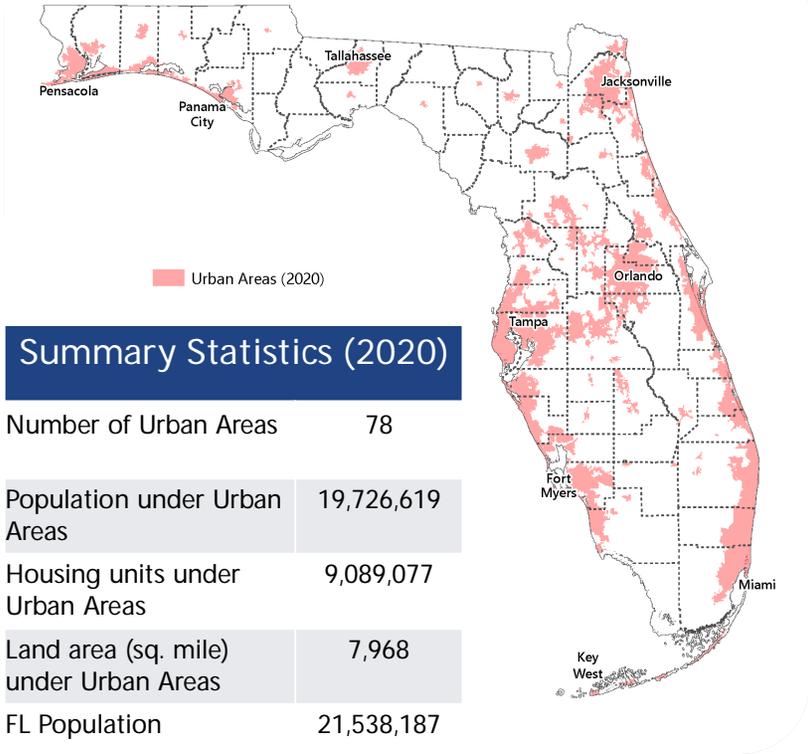
Urban Areas (UA) are revised every 10 years based on population counts from decennial census.

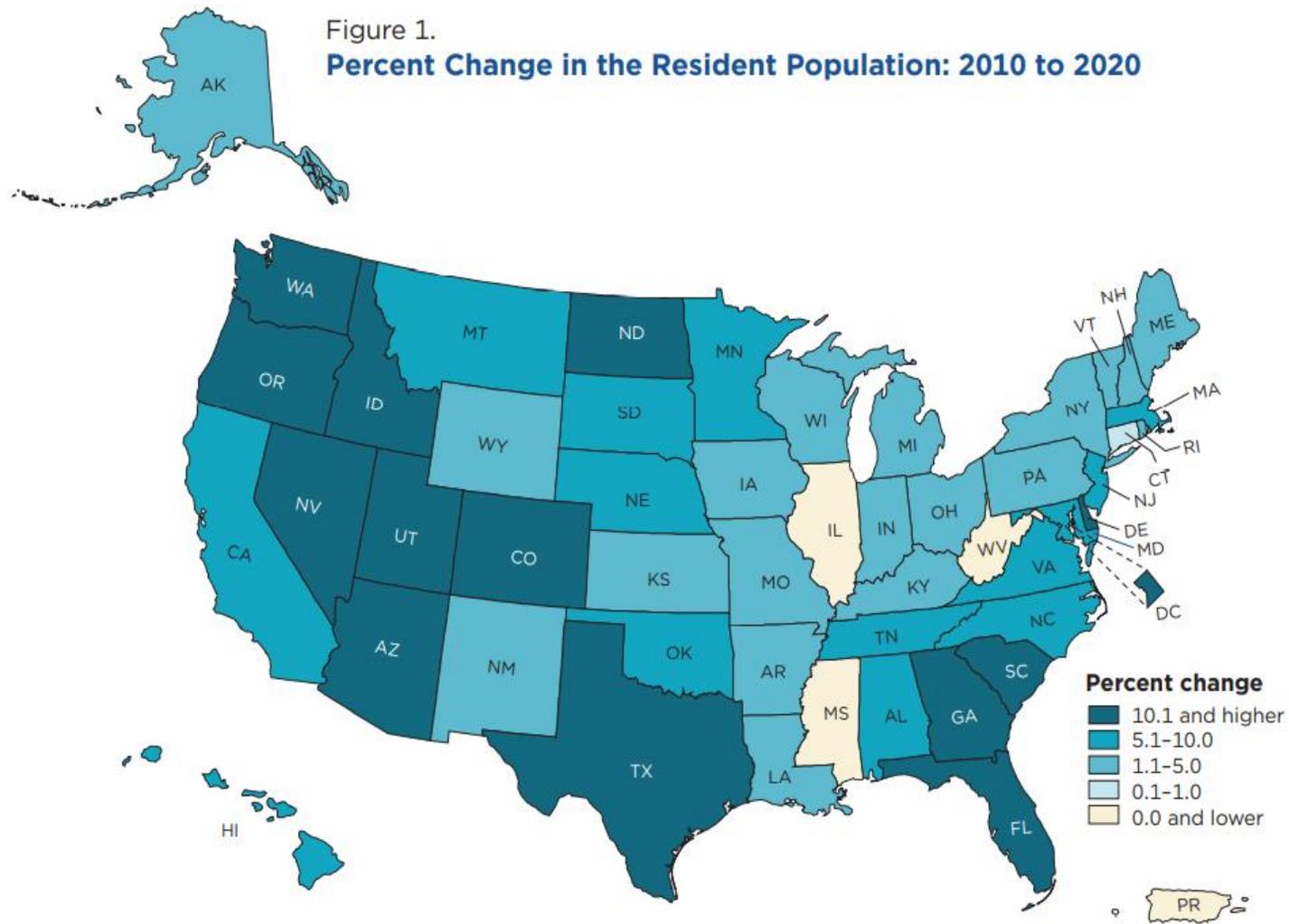


Urban Adjusted Boundaries (UAB) are adjusted to be consistent with transportation needs.



Functional Classification (FC) reviewed and updated in conjunction with adjusted urban boundaries.





Source: U.S. Census Bureau, 2020 and 2010 Censuses.



## Final US Census Urban Area Criteria Highlights

Change minimum threshold for an urban area from 2.5k people to 5k people or 2k housing units.

Adoption of housing unit density instead of population density.

No distinction between types of urban areas (urban cluster vs. urban area). All qualifying areas are "urban areas."

[Link: Differences between the Final 2020 Census Urban Area Criteria](#)

[Link: Defining Census Bureau Urban Areas - YouTube](#)





## Important Definitions of an Urban Area

### US Census Urban Areas

*Represent densely developed territory, and encompass residential, commercial, and other nonresidential urban land uses. Each urban area must encompass at least 2,000 housing units or at least 5,000 people.*

### FHWA Adjusted\* Urban Areas

*Designated boundaries of a Census urban area as adjusted by responsible State and local officials in cooperation with each other, subject to approval by FHWA.*

### Transportation Management Area

*An urbanized area with a population over 200,000, as defined by the Census Bureau and designated by the Secretary of Transportation, or any additional area where TMA designation is requested by the Governor and the MPO and designated by the Secretary of Transportation.*

*\*Adjusted Urban Areas are also considered Smoothed Urban Areas*





# Roles and Responsibilities

## Federal Highway Administration (FHWA)

- Provides Urban Area boundaries (UABs) and Functional Classification guidance.
- Reviews and approves draft and final adjusted UABs and Functional Classification updates made by FDOT and local entities.

## FDOT Central Office

- Provides finalized 2020 UABs from FHWA to Districts.
- Develops guidance on the UAB adjustment and functional classification update process to Districts and local entities.
- Provides guidance on policy planning to Districts, MPOs, and local entities.
- Coordinates reviews of UAB adjustments and functional classification updates with FHWA. And acquires signatures from FDOT leadership.
- Updates FDOT Business Systems with UAB and functional classification data and submits final approved changes to FHWA.

## FDOT Districts

- Receives UAB and Functional Classification data from FDOT CO.
- Coordinates with local agency partners and hosts regional workshops with MPOs.
- Coordinates proposed UAB adjustments and Functional Classification updates with planning partners and acquires signatures from local agencies.
- Delivers proposed changes of UAB maps, data, and functional classification updates to FDOT CO for review.
- Performs inventory of new functionally classified roadways and performs updates into RCI.

## Metropolitan/Transportation Planning Organizations (MPOs/TPOs)

- Updates its Metropolitan Planning Area (MPA) boundary map in consultation with the District.
- Updates its Apportionment Plan, which is the MPO's voting membership structure.
- Coordinates with local governments and the District on the process to adjust the functional classification of roadways within the MPO area.





# Urban Boundary and Functional Class Resources

- 2020 UA data from FHWA
  - ArcGIS Hubsite
- FDOT Central Office and District Process Guidance
  - Urban Boundary and Functional Classification of Roadways Procedure (525-020-311)
  - Urban Boundary and Functional Classification of Roadways Handbook

## Resource Information

December 2022 is the estimated start date for State DOTs and MPOs to start adjusting these boundaries and to update functional classifications. The Census Bureau's final criteria for defining urban areas based on the results of the 2020 Decennial Census has been published. The Census is updating their Issues FAQs.

- 2010 Census Maps
- 2013 Functional Classification Guidance
- 2013 FHWA Edition - Highway Functional Classification Codes, Criteria and Procedures
- 2020 Estimated Schedule of Activities
- 2020 Final Urban Area Criteria
- Census Frequently Asked Questions
- Metropolitan Planning Program Staff (District MPO) Webpage - FAQ
- Urban Areas for the 2020 Census
- Urban Boundary and Functional Classification Handbook
- Urban Boundary and Functional Classification Procedure (525-020-311)



FHWA Functional Classification & Urban Boundary Training Slides



FHWA Functional Classification & Urban Boundary Training Video

## Timeline




## FDOT Website Resources

- [Urban Boundary and Functional Class Process Information](#)
- [Urban Boundary and Functional Class ArcGIS Data Hub Link](#)



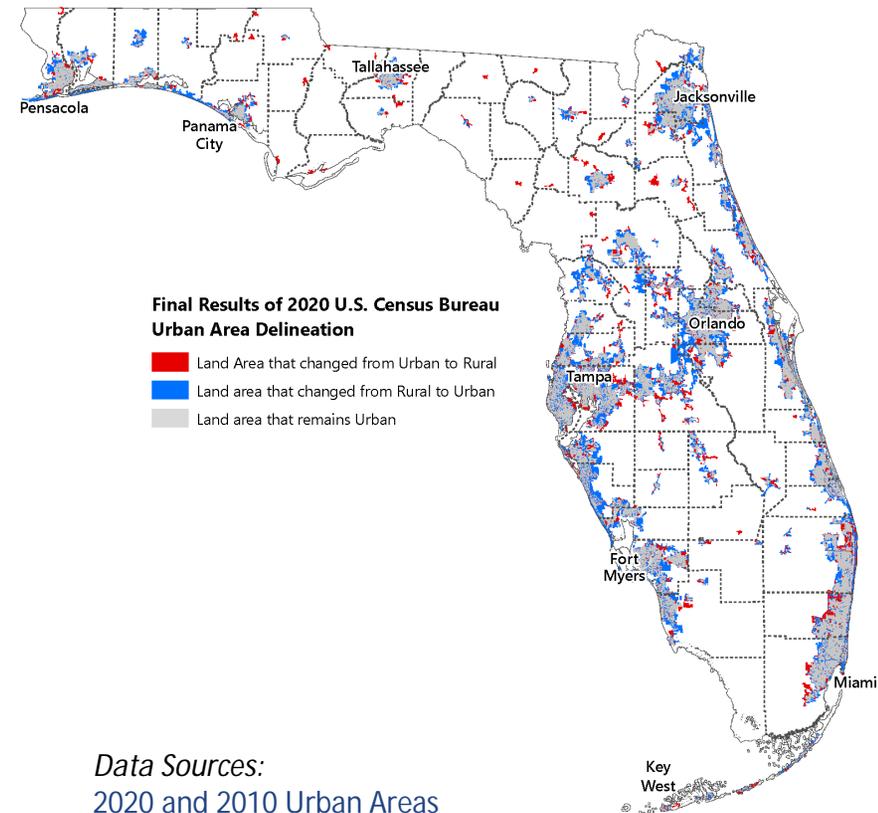


# Major Changes (2020 v 2010)

Quick Statistics	2010	2020
Number of Urban Areas:	104*	78
% Population under Urban Area	91.2%	91.6%
% Housing units under Urban Area	91.21%	92.13%
% Land Area is Urban	13.82%	14.86%**

\*Include Urbanized Areas and Urban Clusters.

- 6,808 sq. miles: Land area that remains Urban
- 1,160 sq. miles: Land area that changed from Rural to Urban
- 600 sq. miles: Land Area that changed from Urban to Rural
- 33 urban areas with population  $\geq 50,000$  (30 in 2010)
- 18 urban areas with population  $\geq 200,000$  (15 in 2010)



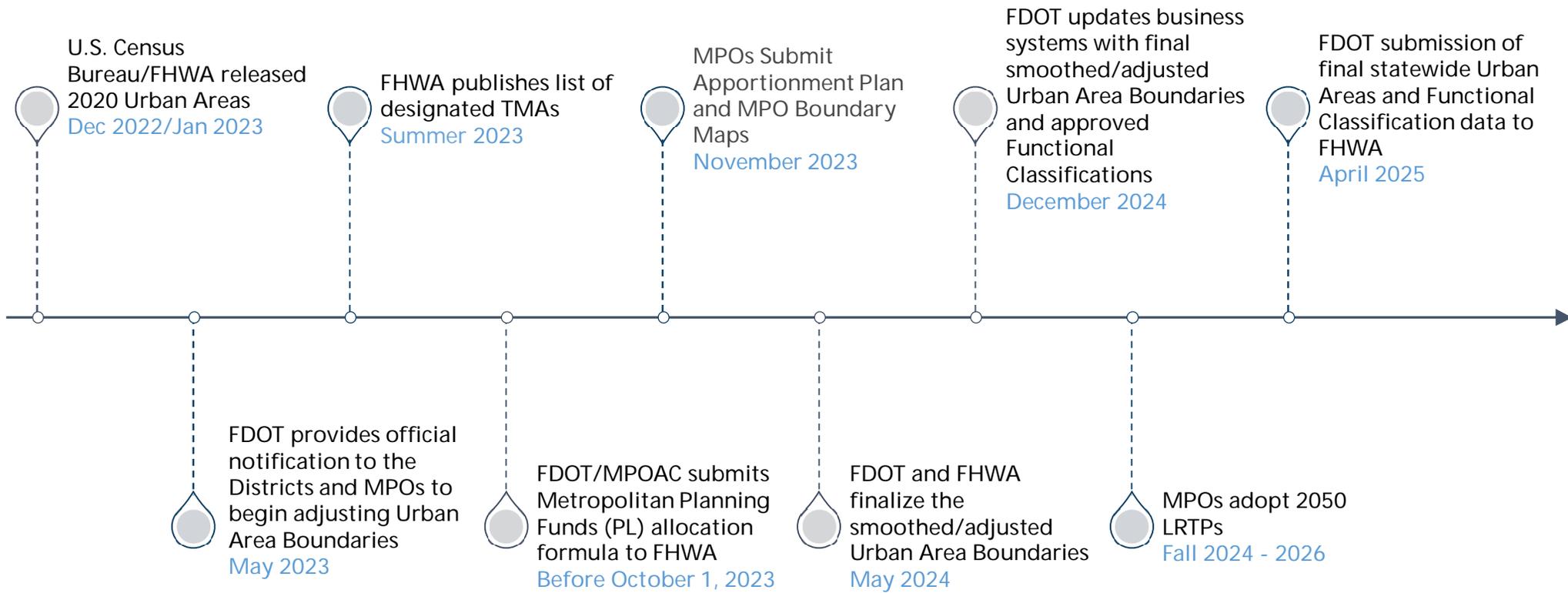
**Final Results of 2020 U.S. Census Bureau Urban Area Delineation**  
 ■ Land Area that changed from Urban to Rural  
 ■ Land area that changed from Rural to Urban  
 ■ Land area that remains Urban

Data Sources:  
[2020 and 2010 Urban Areas](#)  
[2020 TIGER Water Boundaries](#)  
[2010 TIGER Water Boundaries](#)



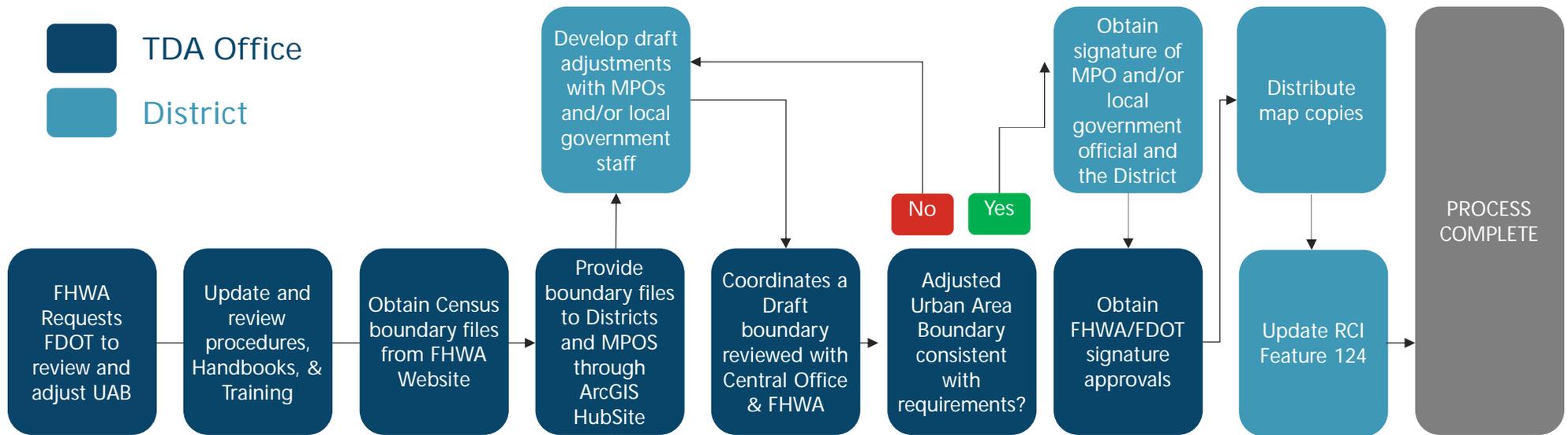


# Urban Area Adjustment and Review Process Timeline





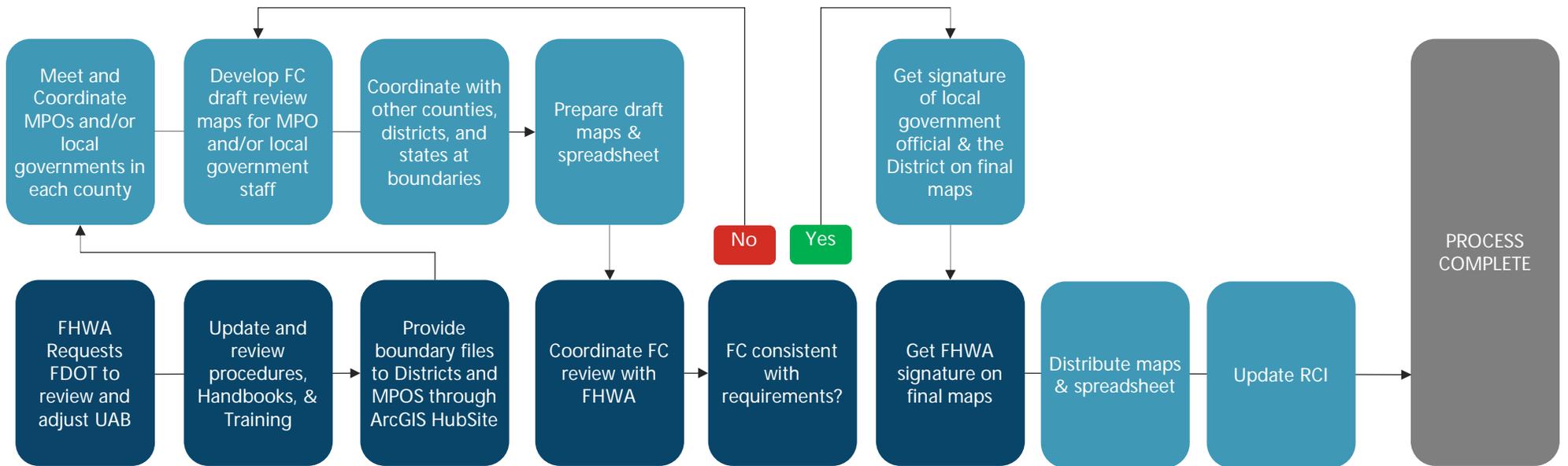
# Urban Area Boundary Adjustment Process Flow Chart





# Functional Classification Review Package Process Flow Chart

-  TDA Office
-  District





# FHWA Guidance and Main Takeaways

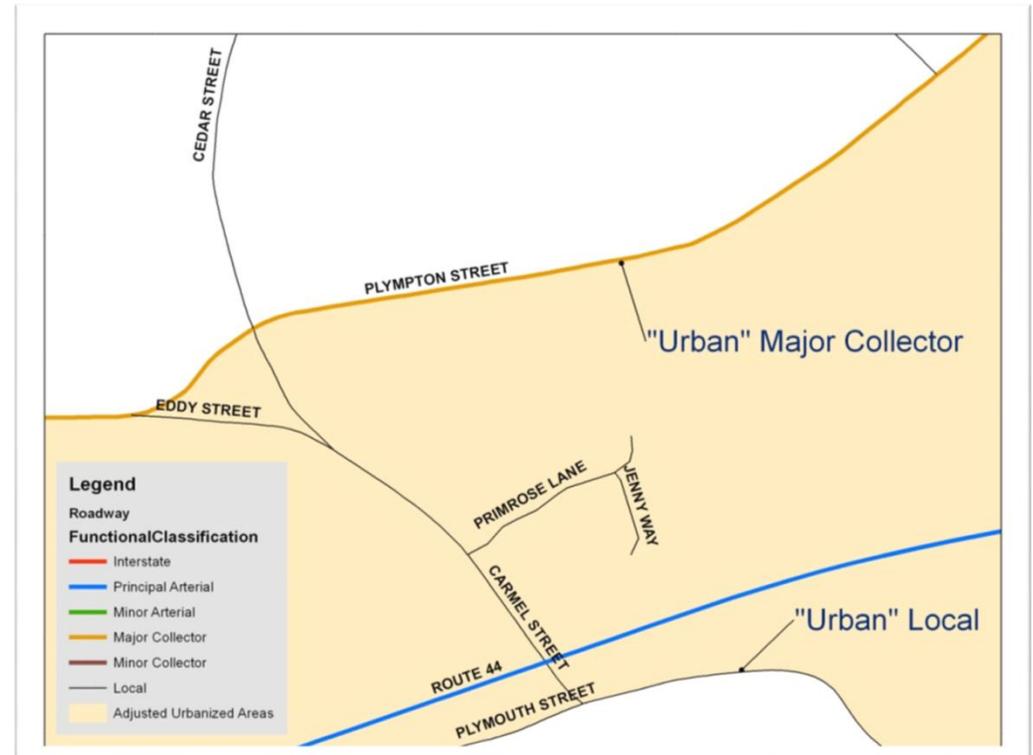


# Census Urban Area Boundaries – Reasons to Expand and Adjust

Urban and rural demarcation defined by function not urban area boundary

Roads that define a boundary should be consistently urban or rural

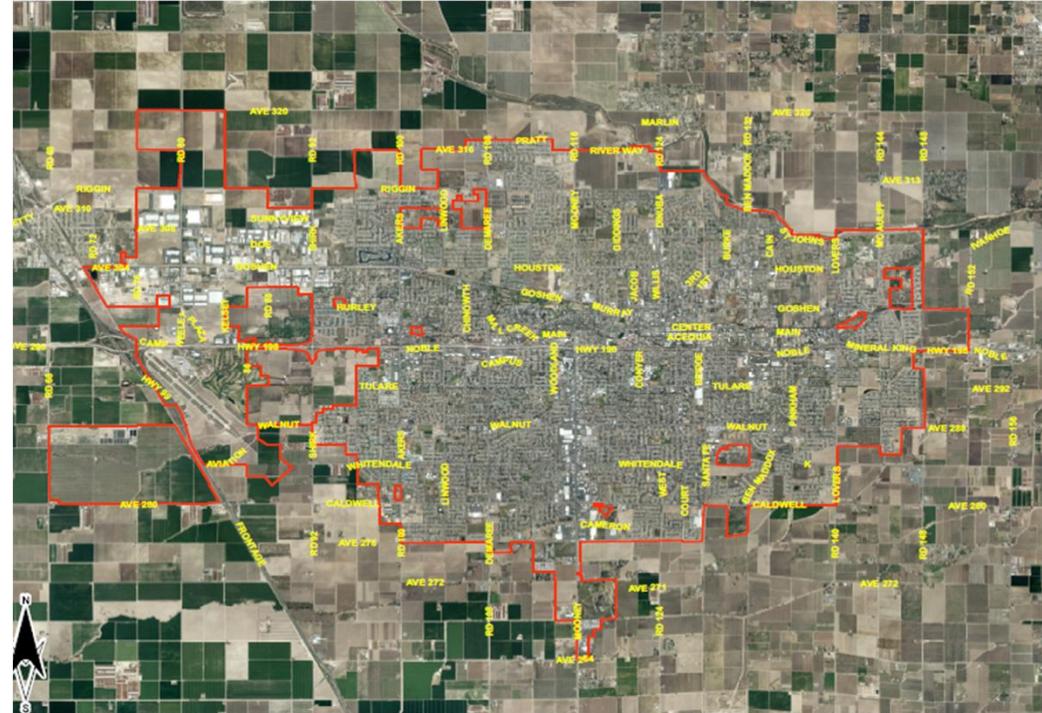
Area must encompass Census Bureau urban area, at a minimum





# Census Urban Area Boundaries – Adjustment Considerations

- ✓ Include entire municipality
- ✓ Include areas with urban characteristics
- ✓ Include large/significant generators, e.g., airports, industrial areas, transportation terminals, transit routes
- ✓ Boundary should follow municipal limits or physical features
- ✓ Boundary should be easy to discern
- ✓ Boundaries should be simple, without irregularities
- ✓ Boundaries should not split roadways or ramps
- ✓ Boundaries should be one contiguous area





## Adjusted Urban Area Boundaries Guideline Summaries

- ✓ Boundaries should encompass the entire Census Bureau urban area
- ✓ Boundaries should be one contiguous area
- ✓ Boundaries should be simple, without irregularities
- ✓ Boundaries should follow municipal boundaries or other physical features
- ✓ Boundaries should include areas with urban characteristics, such as airports, industrial areas, transportation terminals, major activity centers, etc.

### • Reference:

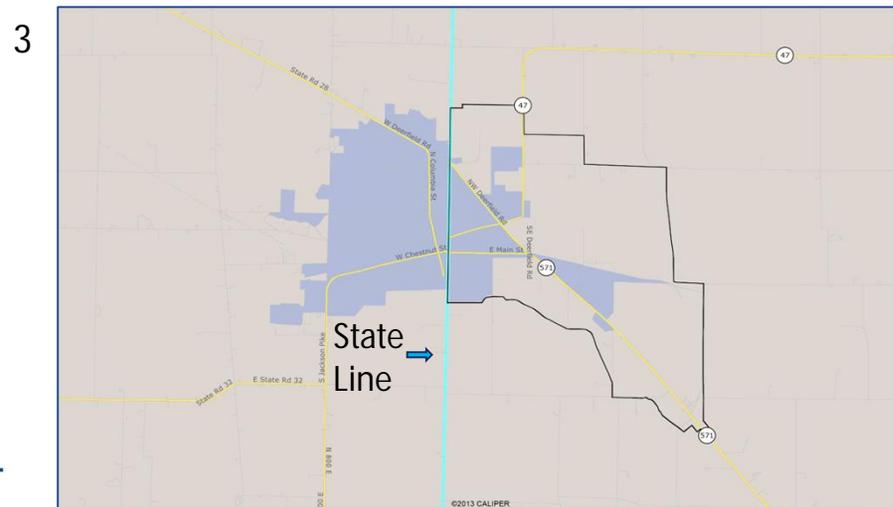
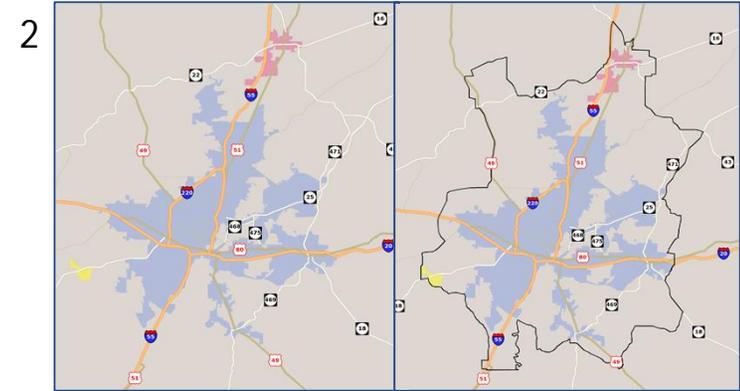
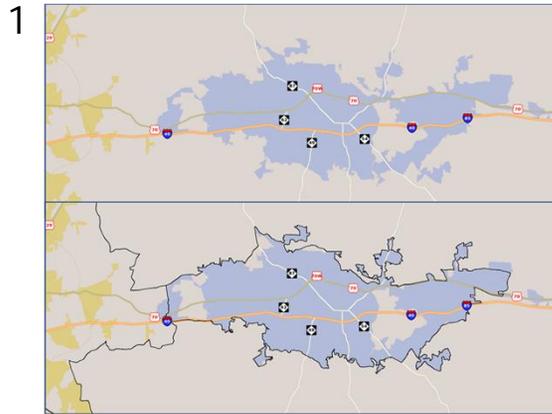
<https://www.fdot.gov/planning/processes/statewide/related/highway-functi>





# Summary of Common Errors in Adjusting 2010 Census Urban Boundaries

- 1 Boundaries do not encompass an entire Census Bureau urban area.
- 2 One adjusted urban area is not associated with one census urban area
- 3 States/Districts do not coordinate in adjusting multi-state urban areas



Adjustment of those Census urban areas that are not defined as FHWA urban areas (*may not be applicable to the 2020 urban areas*)

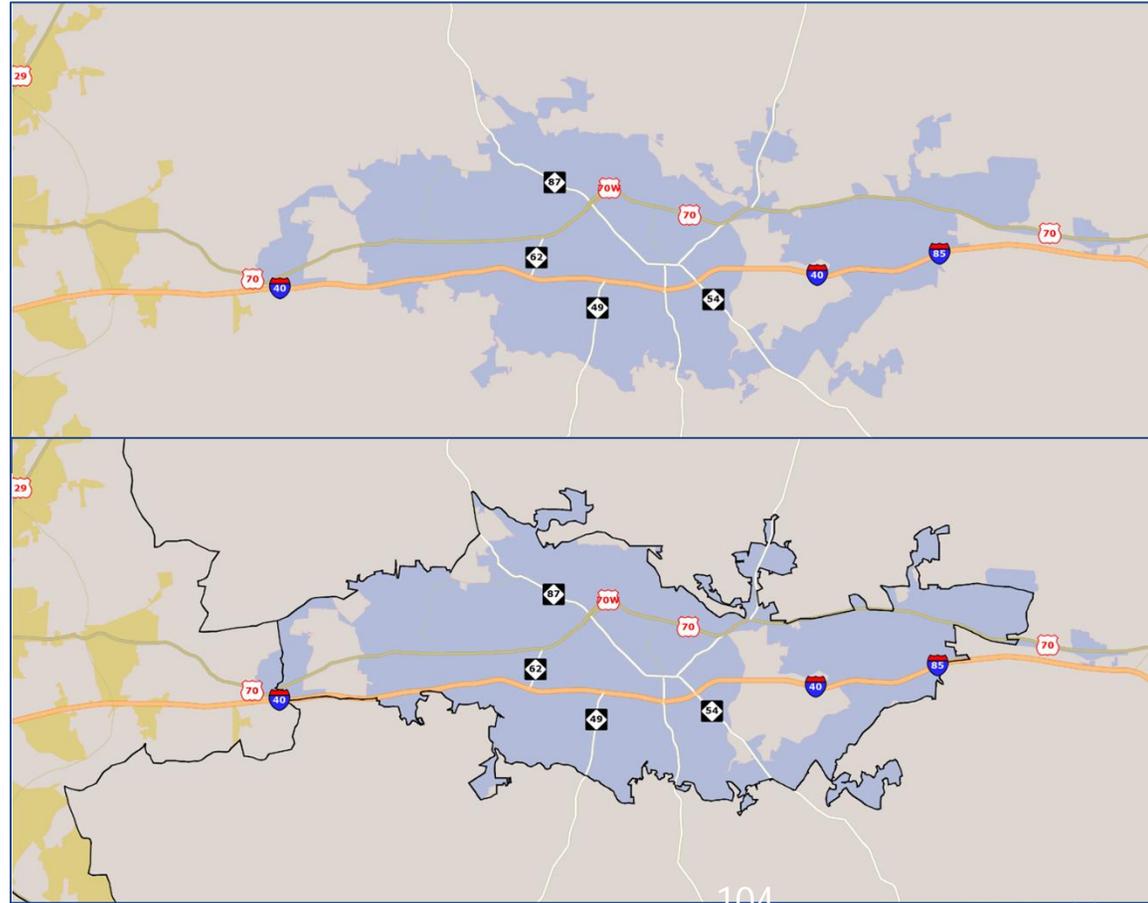




## Common Errors Found in Adjusting Census Urban Areas

### Error:

- Missing portions of Census Urban areas

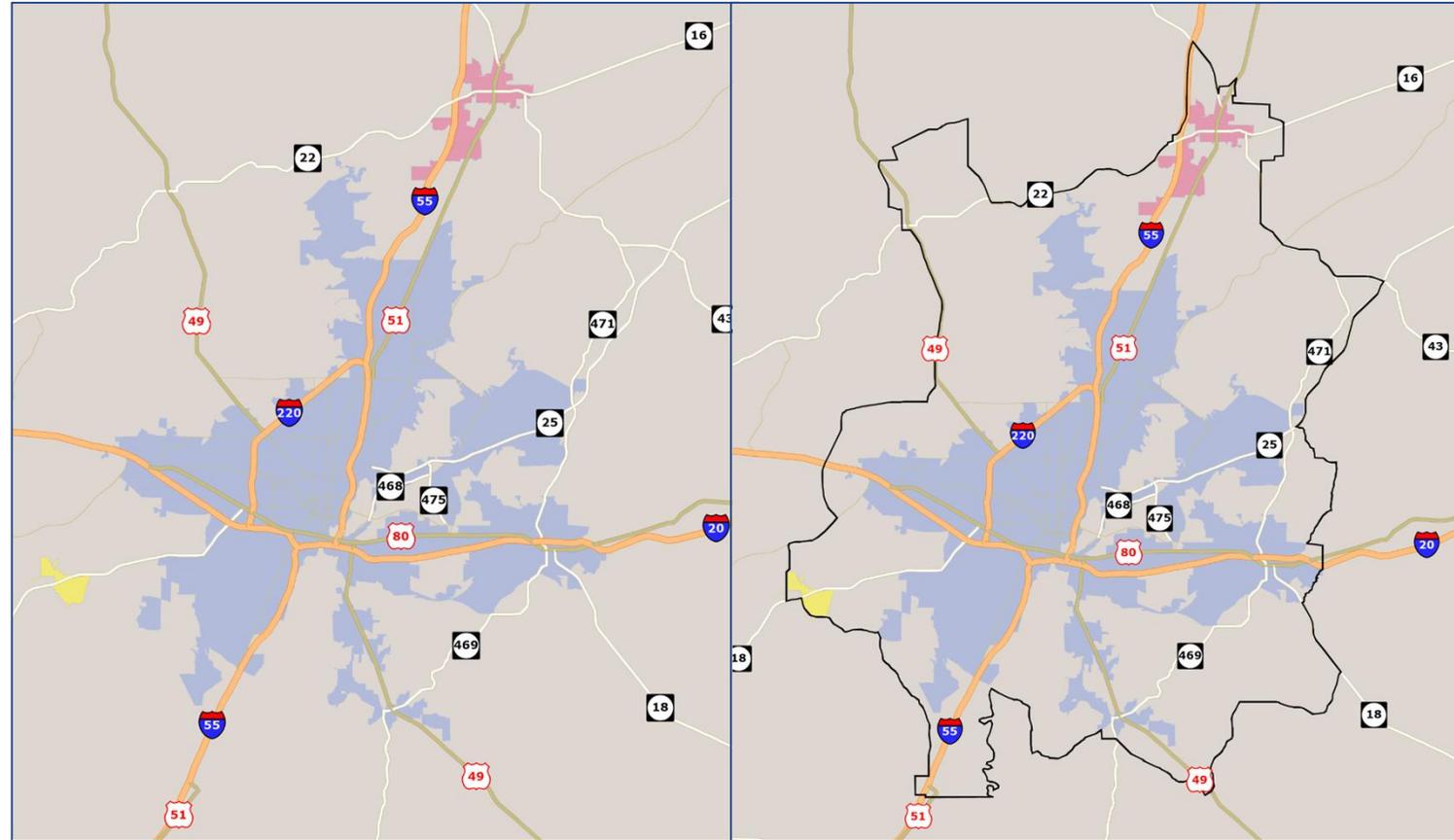




## Common Errors Found in Adjusting Census Urban Areas

### Errors:

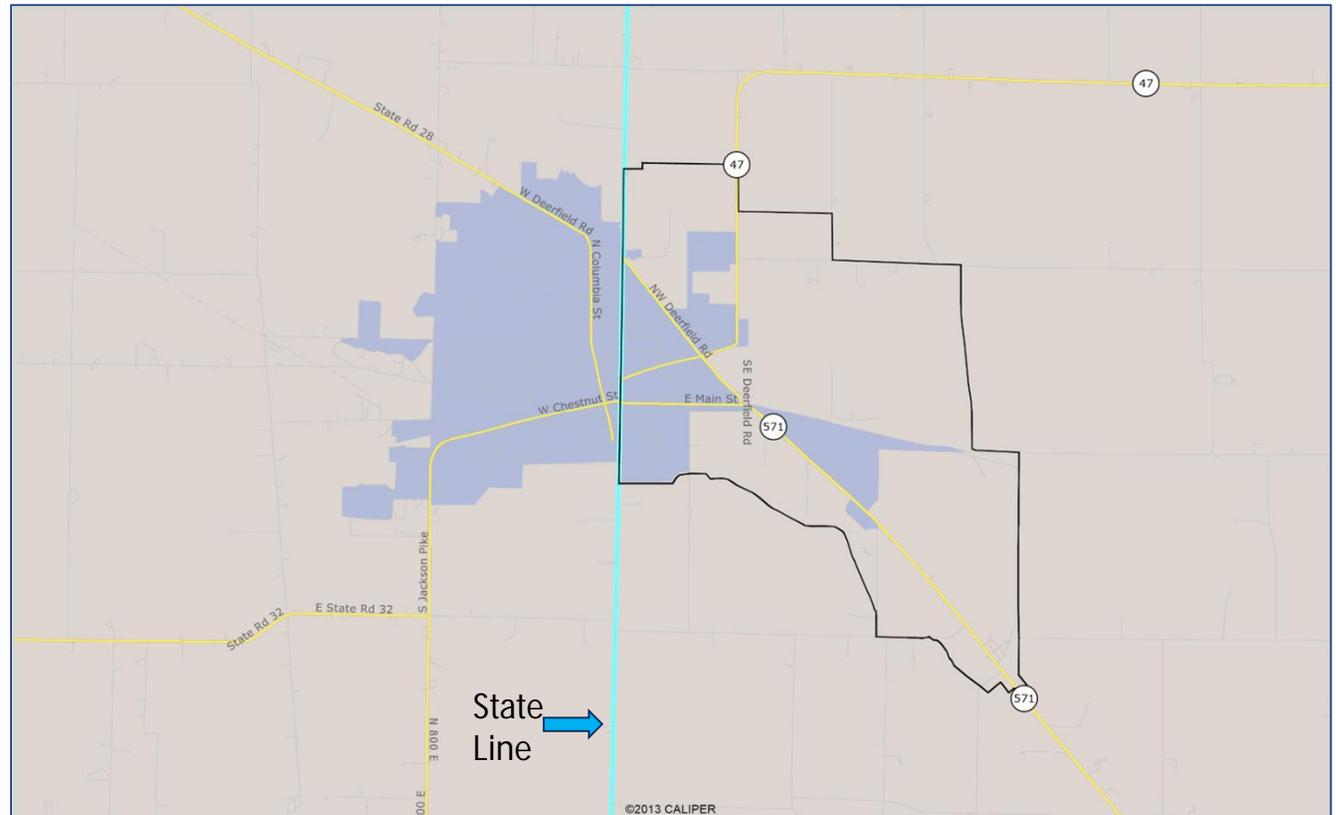
One-to-One relationship:  
multiple Census Urban  
Areas in one Adjusted  
Urban Area, should be 3  
Adjusted Urban Areas





## Common Errors Found in Adjusting Census Urban Areas

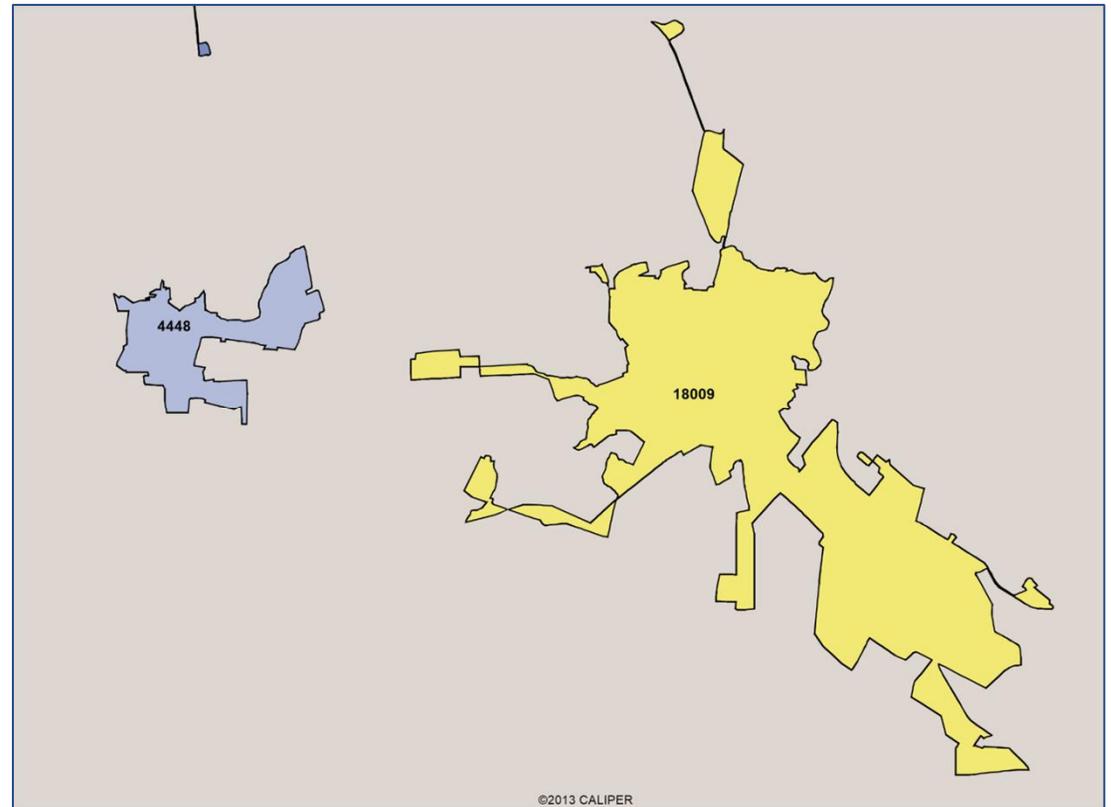
Multi-State Urban Areas:  
Each state adjusts only their  
own state portion without  
working with other states





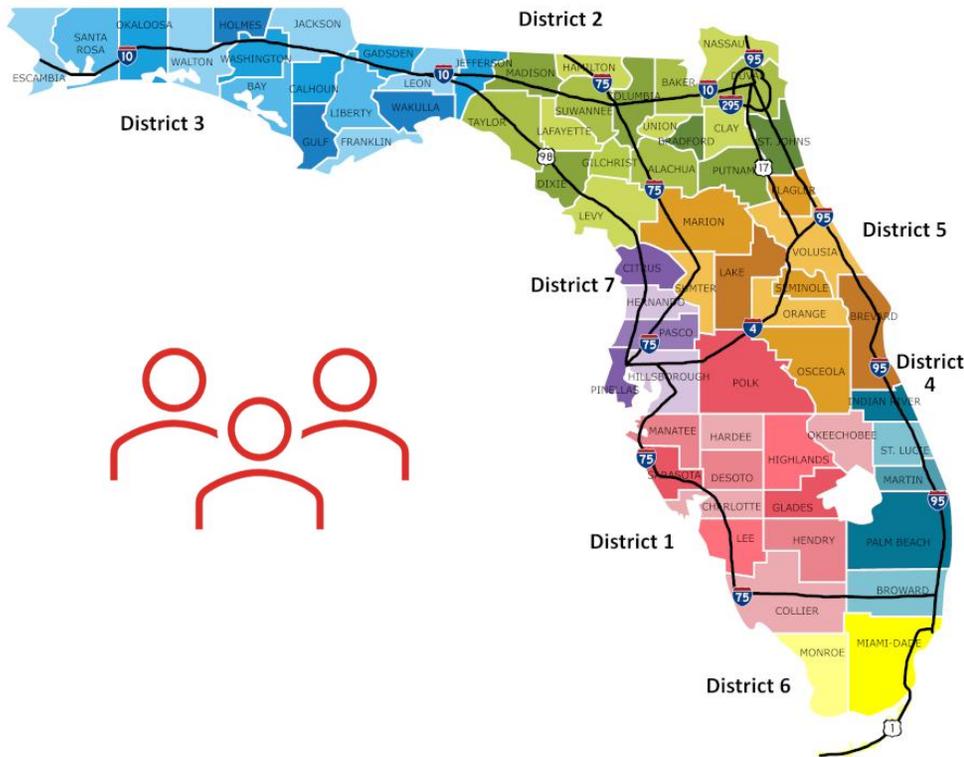
## Common Errors Found in Adjusting Census Urban Areas

FHWA Urban Area Definition:  
Decennial Census Population of 5000  
or more, the one in blue should not be  
included as an FHWA urban area  
(population =4448)





# Urban Boundary and Functional Classification District Contacts



- District 1 – Kyle Purvis, Joel Graeff.
- District 2 – David Tyler, Justin Bellot, and Brian Austin.
- District 3 – Geoff Hynes, Mark Brock, Bryant Paulk, Corey Webb, and Cynthia Boyette.
- District 4 – Kara Schwartz-DiMaina.
- District 5 – Alice Giuliani, Cheryl Burke, Jim Wood, Jason Learned, and Clif Tate.
- District 6 – Ana Calleja, Ken Jeffries.
- District 7 – Sherry Melaragno, Anita Montjoy.
- Turnpike - Juan Echevarria, Justin Hall





# Results of 2020 U.S. Census Bureau Urban Area Delineation

## Summary Statistics (2020)

Number of urban areas	78
Population under urban areas	19,726,619
Housing units under urban areas	9,089,077
Land area (sq. mile) under urban areas	7,968
FL Population	21,538,187
FL Housing units	9,865,350

