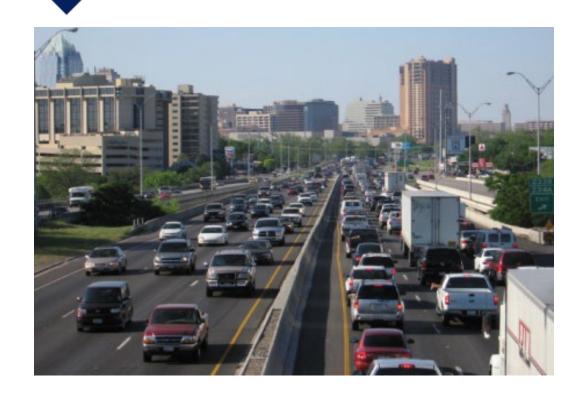




Urban Area - Urban/Rural Definition







2020 Census Urban Area Boundary Release Schedule







Summaries of Final Criteria for Delineating 2020 Census Urban Areas

- Increase the minimum population threshold from 2,500 to 5,000
- Include additional housing unit (>= 2000) parameter to qualify as an Urban Area:
- Use housing unit density instead of population density to define initial Urban Area Cores
- Use only Census Block instead of Census Trace & Block to define initial Urban Area Cores
- Reduce the maximum jump distance from 2.5 miles to 1.5 miles
- Exclude the low density Hop or Jump corridors
- Cease distinguishing between urbanized areas and urban clusters
- Use LEHD worker flow data to determine whether to merge or split between 2010 urban areas



2010 & 2020 Census Urban Area Thresholds

2010 Census Urban Area Definition

Census Bureau Urban Area Definition	Population Range
Urban Areas	2,500+
Urban Clusters	2,500-49,999
Urbanized Areas	50,000+

2020 Census Urban Area Definition

Census Bureau Urban Area Definition	Population	Housing Units
Urban Areas	5,000 o	r 2,000
Urban Clusters	No longer distinguishing between the two	
Urbanized Areas	types of urba	in areas



2010 and 2020 Initial Urban Area Cores/Low Density Fill

Census Bureau Urban Areas	Population Density	Housing Units Density	Analysis Unit
2010 Initial Urban Area Cores	1000/500		Census Tract & Block
2020 Initial Urban Area Cores	**	1275*/425/200	Census Block

^{*} A high-density nucleus is defined as a collection of blocks (Eligible Block Aggregations), with at least 500 housing units where each census block has density of at least 1,275 housing unit.

^{**} Census Blocks that contain a **group quarter** and has a **population density of 500** adjacent to already qualified blocks will be included.

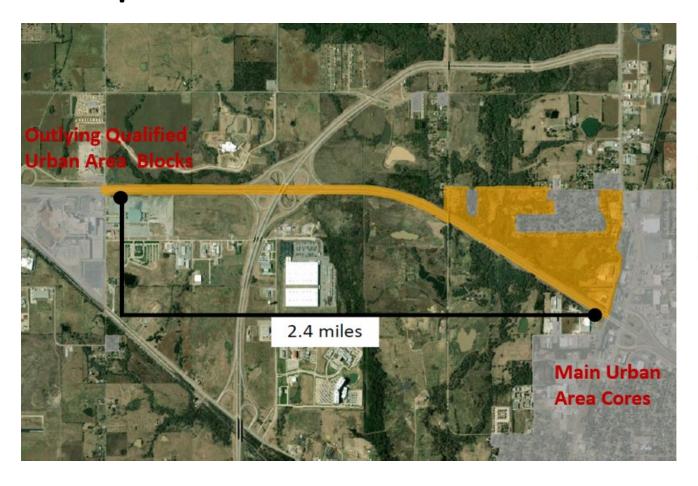


Potential Benefits of Using Housing Unit Density

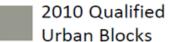
- Better measurement of built environment. Housing Units include both occupied and vacant units, consistent with using impervious surfaces to define commercial and other non-residential urban land uses.
- Census Block level housing unit counts are invariant the new 2020
 Differential Privacy methodology applies only to population counts, not housing unit counts.
- Ability to update urban areas between censuses.



Reducing Maximum Distance of Jumps from 2.5 to 1.5 miles





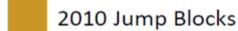


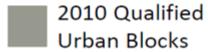




No Longer Include the Low Density Hop and Jump "Corridors" in Urban Areas











Census & FHWA 2020 Urban Area Definition

Census Bureau Urban Area Definition	Population or Housing Unit
Population Threshold	5,000
Housing Unit Threshold	2,000

FHWA Urban Area Definition	Population
Urban Areas	5,000+
Small Urban Areas	5,000-49,999
Urbanized Areas	50,000+



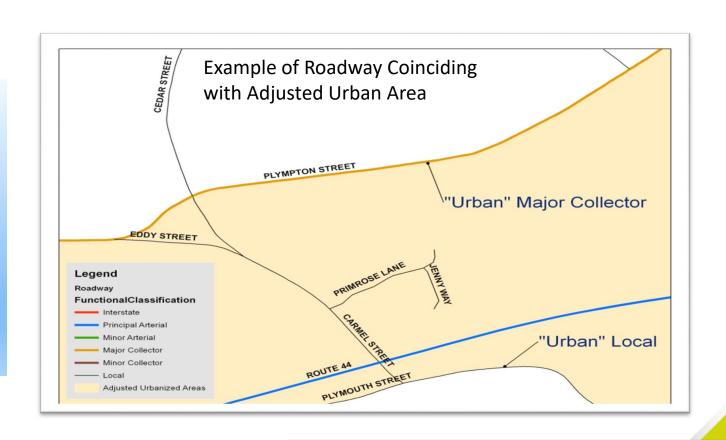
Authority for Adjusting UABs

- State and local officials authorized to cooperatively adjust Urban Area boundaries by 23 U.S.C. 101(a)(35)
 - Primary responsibility lies with the States
 - If an urban area is located outside of an MPO's MPA, the local officials coordinate urban area adjustments with their State DOT
 - If an urban area is within an MPO's MPA, local officials coordinate with their MPO and State DOT
 - FHWA Order M1100.1A delegates the authority to approve adjusted UABs to FHWA Division Administrators



Census Urban Area Boundaries – Reasons to Expand

- Aligning with existing planning boundaries
- Incorporating local knowledge of urban landscape
- Addressing irregularities in boundary shapes
- Maintaining consistency with highway functional classifications



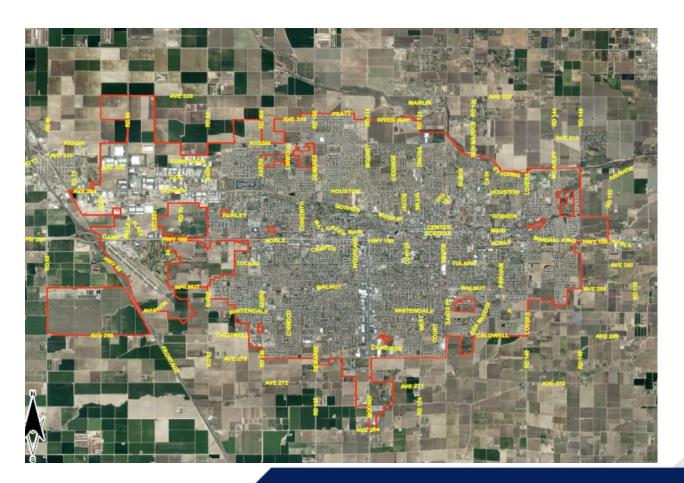


Census Urban Area Boundaries – Adjustment Considerations

Include entire municipality

Include areas with urban characteristics

Include large/significant traffic generators, e.g., airports, industrial areas, transportation terminals, transit routes



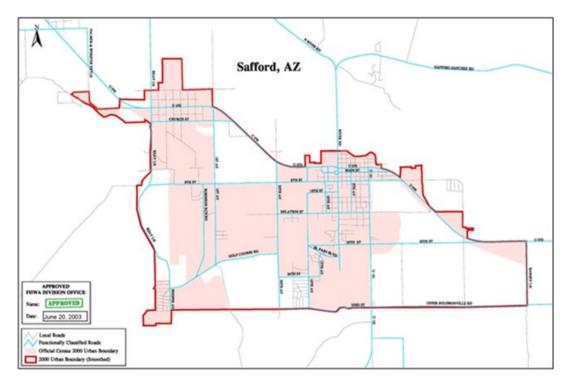


Census Urban Area Boundaries – Adjustment Considerations

Boundaries should be simple, without irregularities

Boundaries should not split roadways or ramps

Boundaries should be one contiguous area



Example Boundary Adjusted to Align with Major East-West Roadway to the South



Summary of Common Errors in Adjusting 2010 Census Urban Boundaries

- Boundaries do not encompass an entire Census Bureau urban area
- One adjusted urban area is not associated with one census urban area
- States do not coordinate in adjusting <u>multi-state</u> urban areas
- Adjustment of those Census urban areas that are not defined as FHWA urban areas
- Adjustment of Census urban areas that are defined by earlier decennial census urban areas

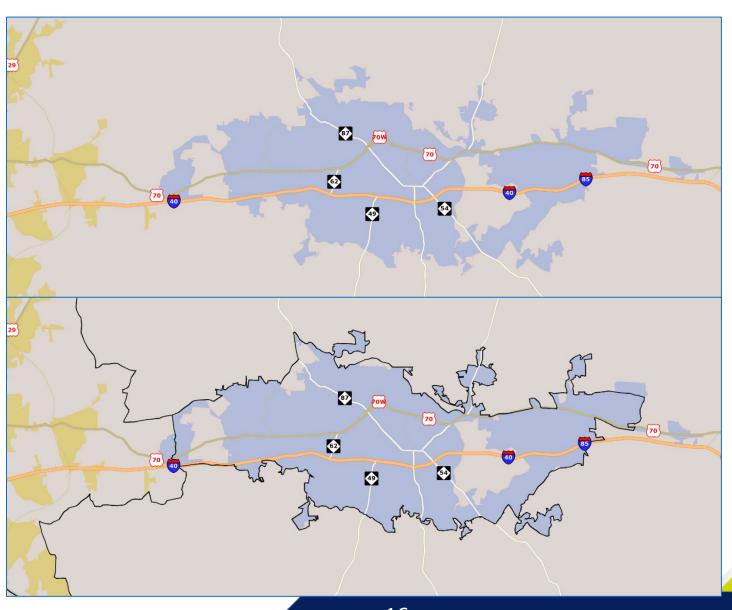


Common Errors Found

in Adjusting 2010 Census Urban Areas

Error:

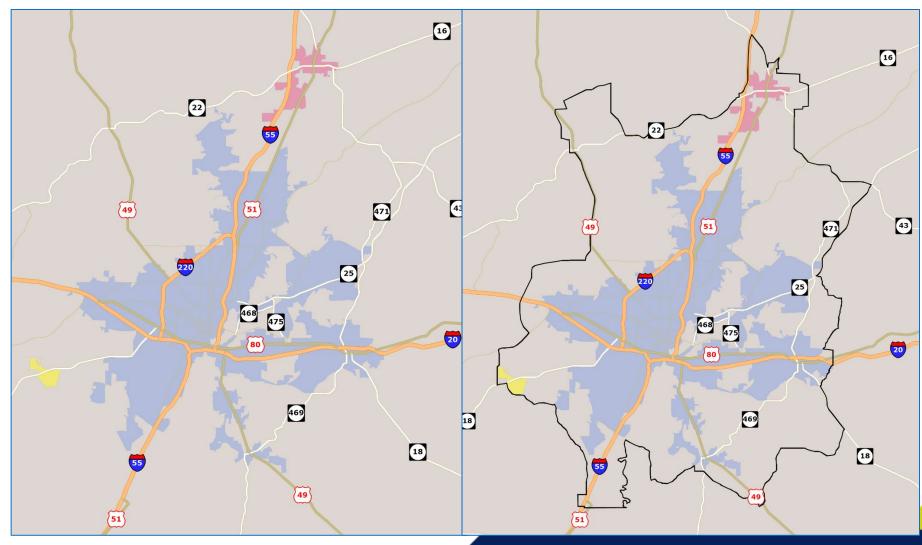
 Missing portions of Census Urban areas





Errors:

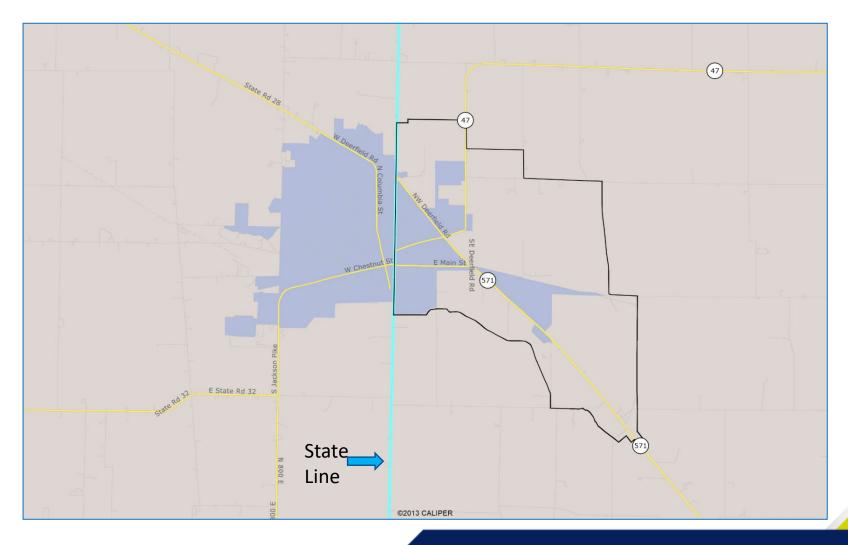
One-to-One relationship: multiple Census Urban Areas in one Adjusted Urban Area, should be 3 Adjusted Urban Areas





Multi-State Urban Areas:

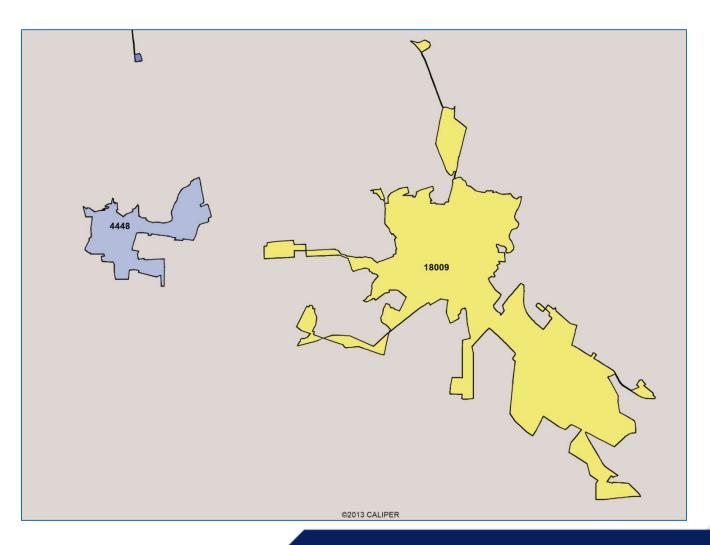
Each state adjusts only their own state portion without working with other states





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)





Common Errors Found

in Adjusting 2010 Census Urban Areas

Did not use the latest Census Urban Area as basis for Adjustment

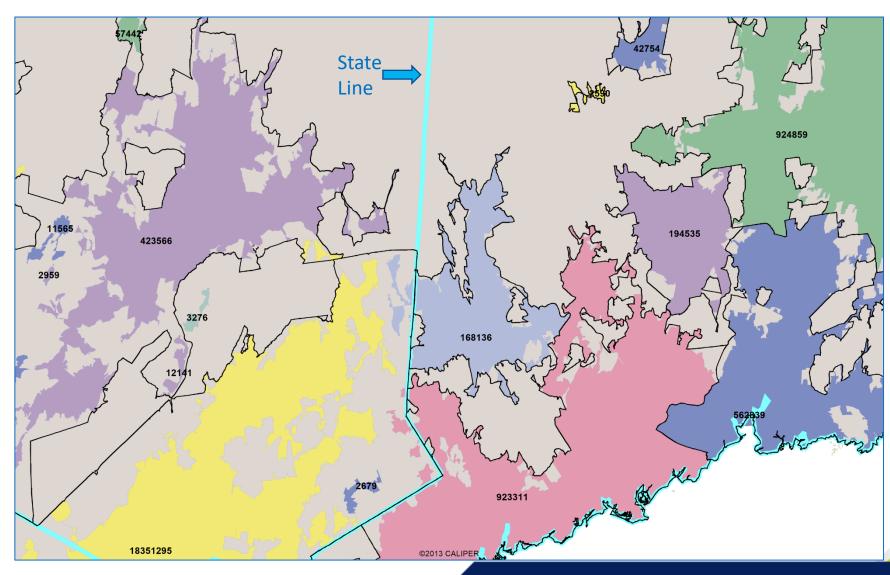
- Previous decennial Census Urban Areas are irrelevant
- Start with the latest decennial Census urban areas



Summary

(figures shown are 2010 Census Population):

How many errors can you find?

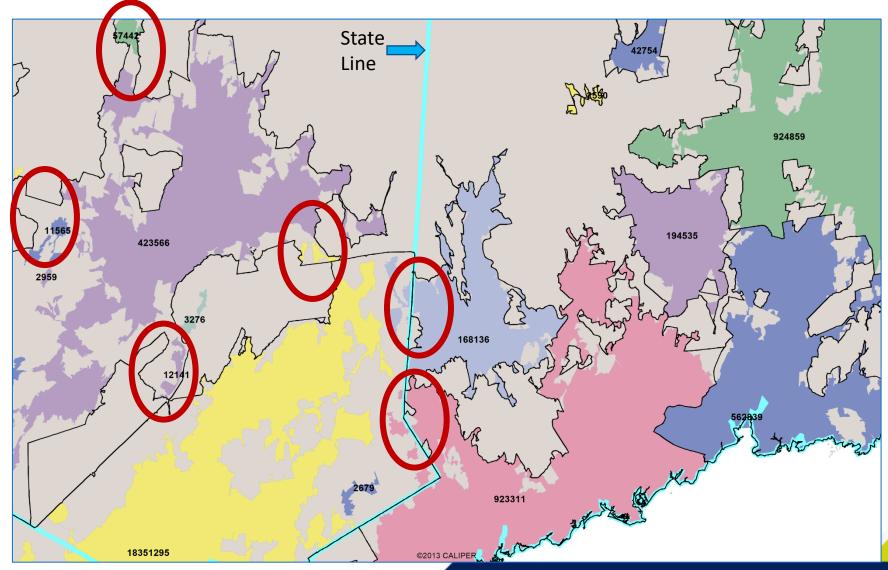




Summary

(figures shown are 2010 Census Population):

How many errors can you find?





Adjusted Urban Area Boundaries Guideline Summaries

- Boundaries should encompass the entire Census Bureau urban area
- Boundaries should encompass 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,

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



Relationship between Functional Class & Adjusted Urban Area Boundaries

Federal-Aid Highway System Impact

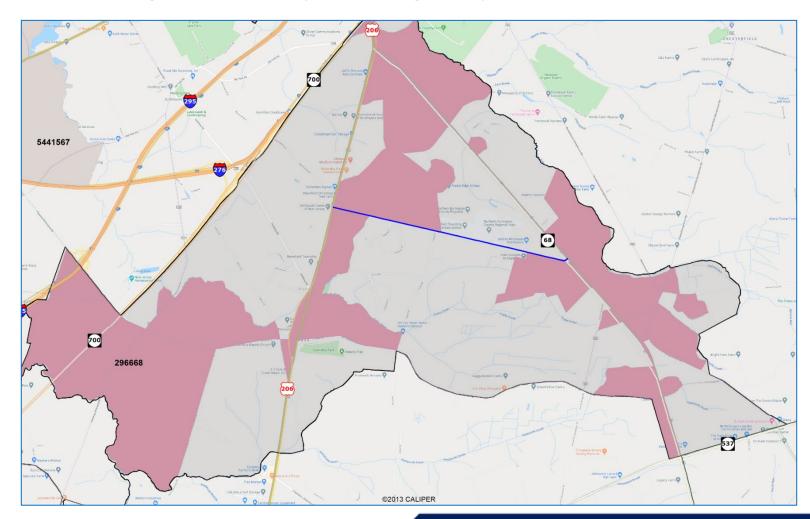
Functional Class System	Urban	Rural
1 - Interstate	Yes	Yes
2 - Principal Arterial - Other Freeways and Expressways	Yes	Yes
3 - Principal Arterial - Other	Yes	Yes
4 - Minor Arterial	Yes	Yes
5 - Major Collector	Yes	Yes
6 - Minor Collector	Yes	No
7 - Local	No	No



Benefits of Adjusted Urban Area
Example: With the adjusted urban
area boundaries, the Minor
Connector shown in blue connecting
two arterials can be uniformly
designated as an Urban Minor
Collector. Without adjusting the
urban boundaries, the connector
would be divided into three roadway
segments: urban, rural and then again
urban minor connectors, making the
roadway planning, programming and
maintenance difficult

Example of Benefit

Maintaining consistency with highway functional classifications

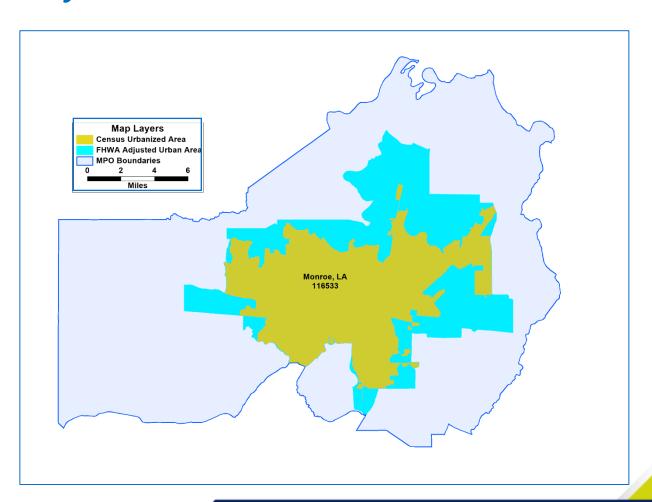




Boundary Development Sequency

Census Urban Area → Adjusted Urban Area → MPO Boundaries

- MPO boundaries can include multiple urbanized areas
- A MPO can also cover portions of urbanized areas inasmuch as the remaining portions of the UZA are covered by other MPOs
- Requirement: an Urbanized Area must be covered entirely by one or more MPO boundaries





Urban Area Boundary Adjustment Good Practice Steps/Schedule

Recommended 12 month schedule following Census release of Urban Area Boundaries.

At a minimum – confirm Census boundaries are adequate, also...

Build/share understanding of game plan

Generate maps and share electronically – use GIS if at all possible

Encourage/work towards timely delivery of UAB revisions

Event	Months Following Release of 2020 Census Urban Area boundaries
FHWA issues transmittal letter	Month 1
Begin adjusted urban area boundary update process	Month 1
DOT works with planning partners to define adjusted urban area boundaries	Month 3-9
Provide draft final data and/or maps to FHWA Division Office for review	Month 10
DOT incorporates Review Comments	Month 11
DOT submits adjusted urban area boundaries to FHWA Office of Planning	Month 12

