

Post 2010 Geography Updates

Texas State Data Center/ Business and Industry Data Center Workshop

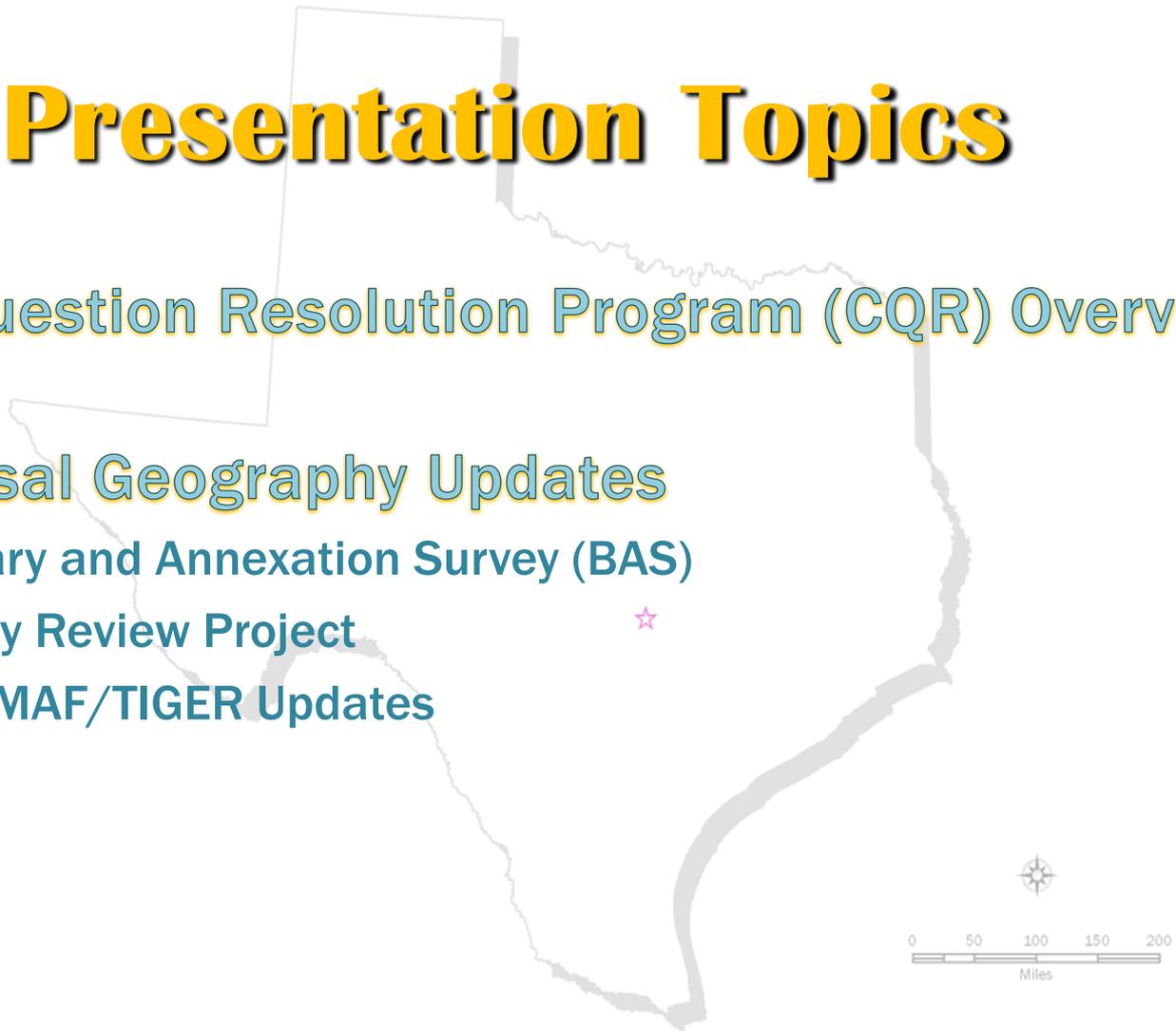
May 25th, 2011



Dallas Regional Census Center
Jon Barlett, Geographer
John Schumaker, Geographer

Presentation Topics

- **Count Question Resolution Program (CQR) Overview**
- **Intercensal Geography Updates**
 - **Boundary and Annexation Survey (BAS)**
 - **Highway Review Project**
 - **Future MAF/TIGER Updates**



Count Question Resolution Program (CQR)

- Mechanism for state, local, and tribal governments to challenge the 2010 Census counts for housing units and group quarters
- Types of Challenges
 - Boundary
 - Geocoding
 - Coverage
- Accepted Challenges...
 - Will result in the issuance of new official Census counts
 - Will not be used to change apportionment, redistricting counts, or official 2010 Census data products



Count Question Resolution Program (CQR)

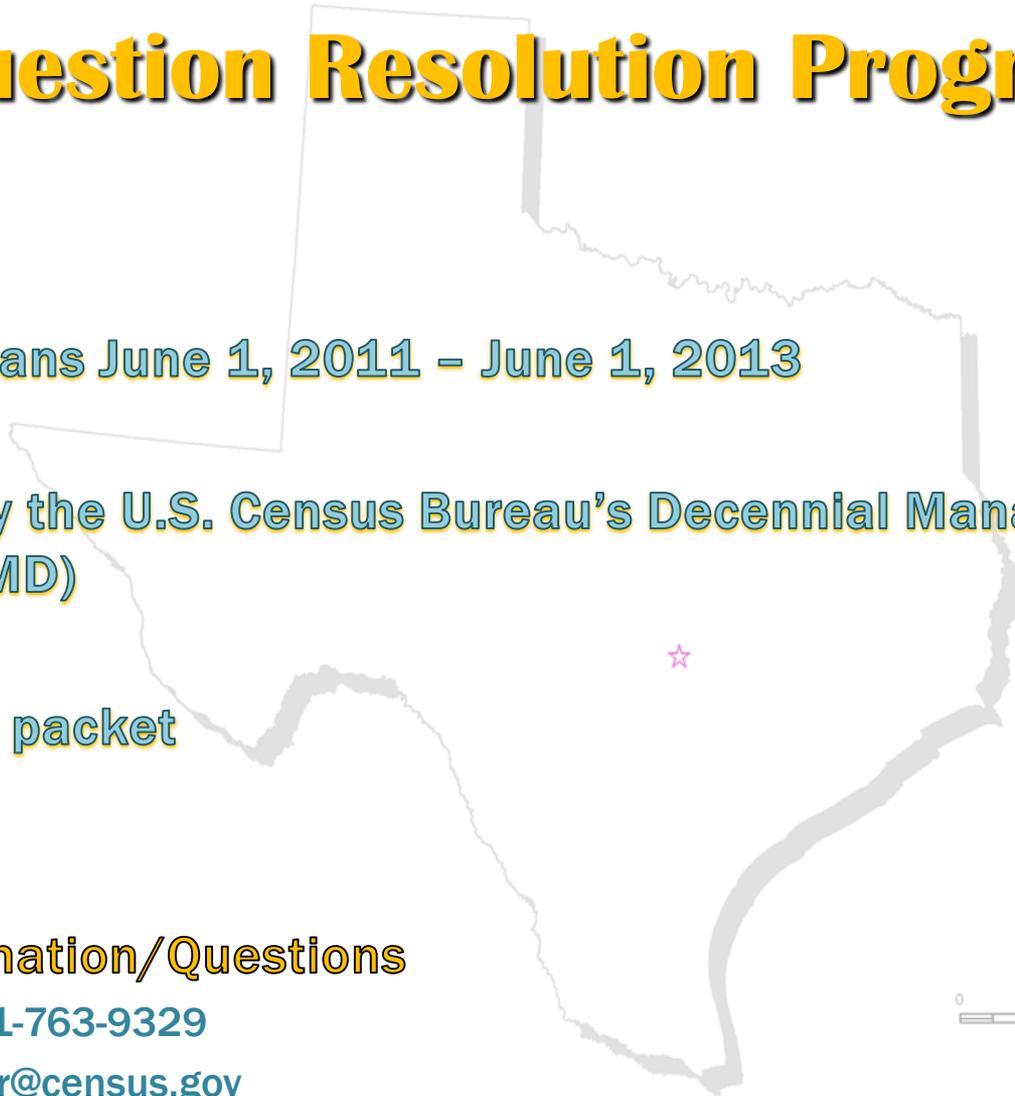
- Program spans June 1, 2011 – June 1, 2013
- Managed by the U.S. Census Bureau's Decennial Management Division (DMD)
- Brochure in packet

For CQR Information/Questions

Telephone: 301-763-9329

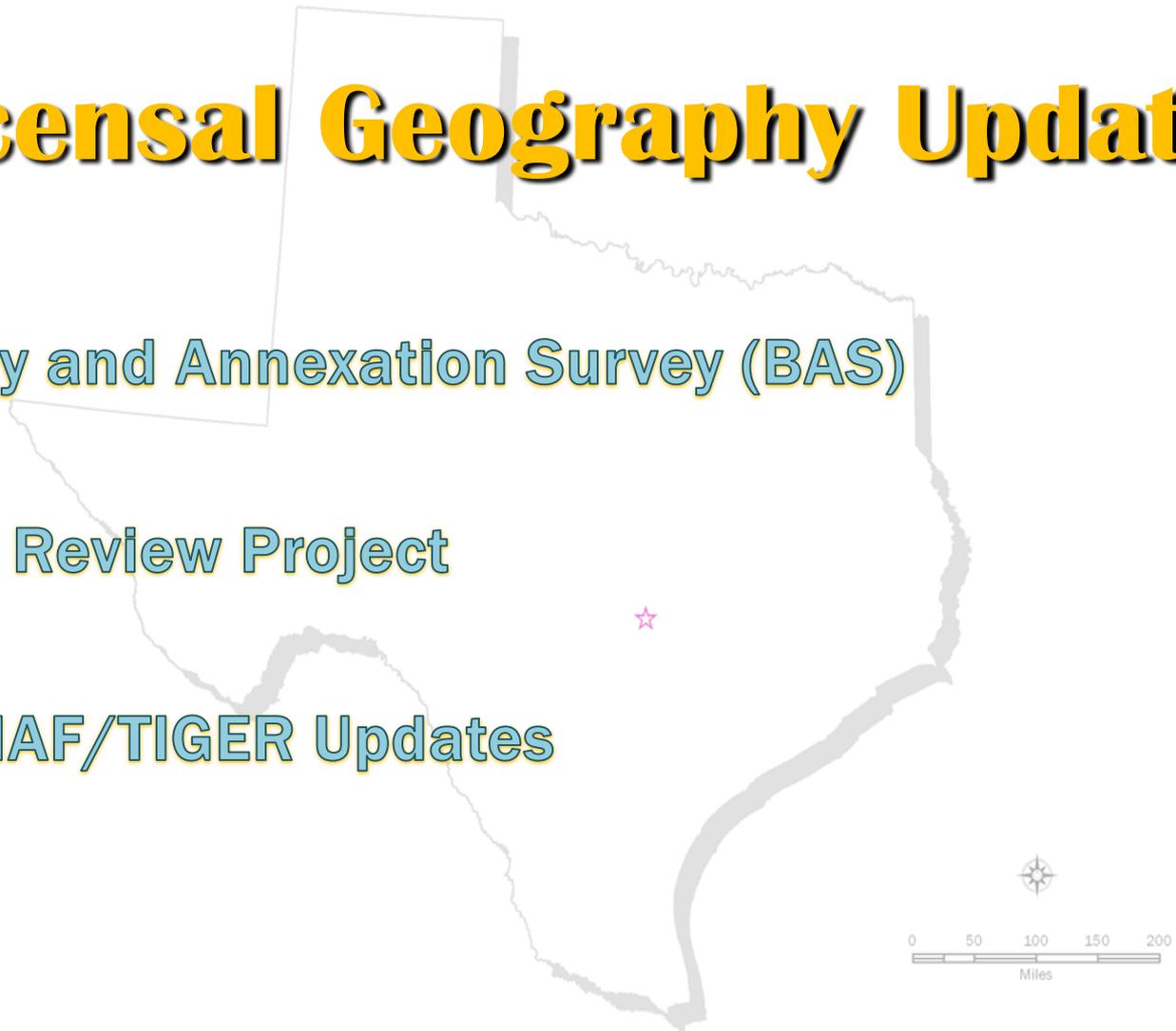
Email: Dmd.cqr@census.gov

Website: <http://2010census.gov/about/cqr>



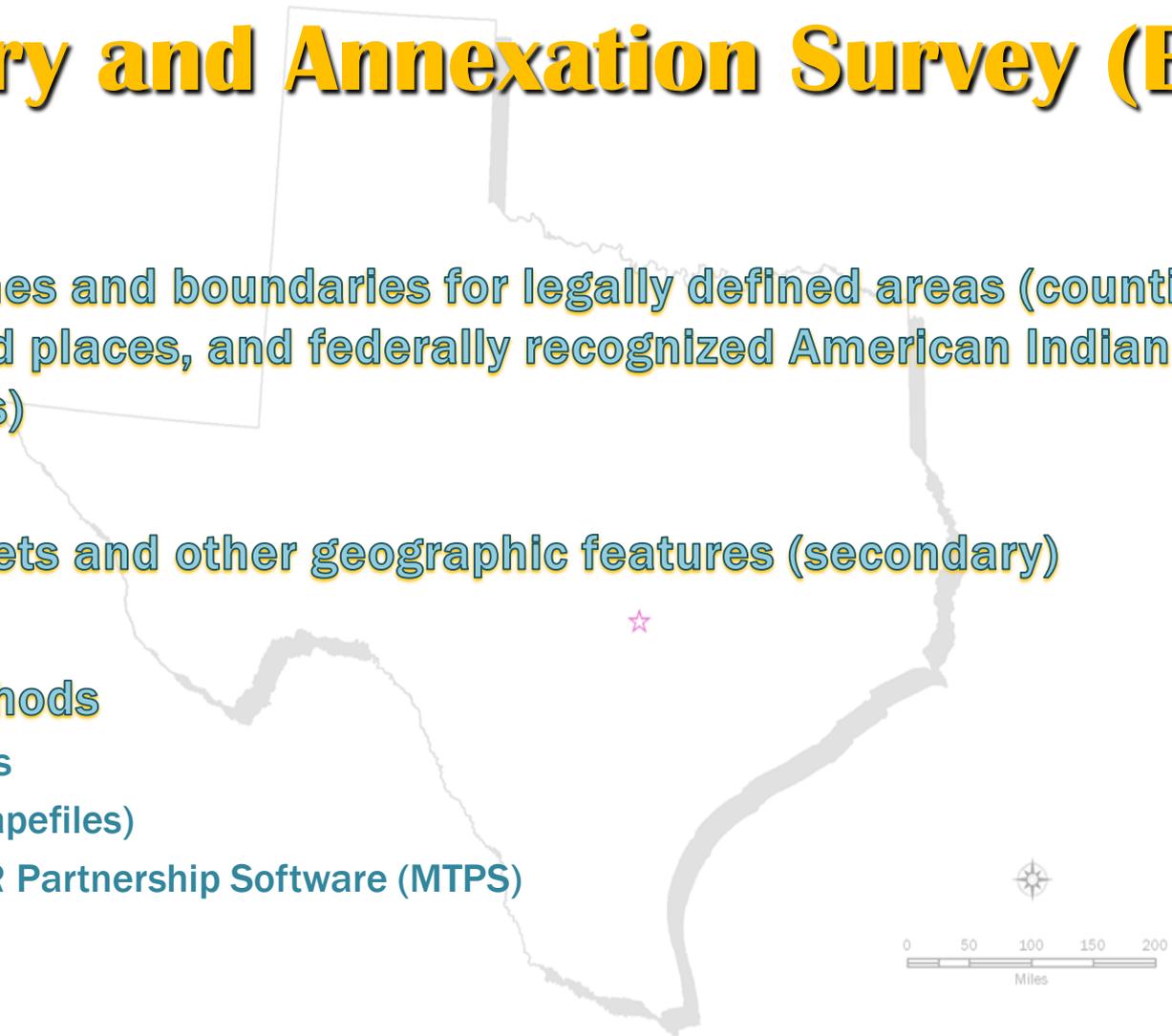
Intercensal Geography Updates

- Boundary and Annexation Survey (BAS)
- Highway Review Project
- Future MAF/TIGER Updates



Boundary and Annexation Survey (BAS)

- Update names and boundaries for legally defined areas (counties, incorporated places, and federally recognized American Indian reservations)
- Update streets and other geographic features (secondary)
- Update Methods
 - Paper Maps
 - Digital (Shapefiles)
 - MAF/TIGER Partnership Software (MTPS)



Boundary and Annexation Survey (BAS)

Please review Boundary and Annexation Survey (BAS) materials on the BAS website
<http://www.census.gov/geo/www/bas/bashome.html>

Our government **does not** have boundary changes to report – *Mark (X) one box.*

- Do not send BAS materials.
- For County Respondents: Our county boundary is correct but we need materials for other entity boundaries in our county. We will mark a box below for the materials we need. We will review County Consolidation Agreements at http://www.census.gov/geo/www/bas/bas11/bas11_cca.html and decide if we want to establish an agreement.

Our government **has** boundary changes to report – *Mark (X) one box.*

We would like to help the U.S. Census Bureau go Green.

- We will download files from the BAS website at <http://www.census.gov/geo/www/bas/bashome.html> and submit updates.
- Please send us Digital Materials (MTPS Software/Shapefiles) on a CD/DVD
- Please send us a CD with maps in PDF format

Please review http://www.census.gov/geo/www/bas/bas11/bas11_details.html before making your Paper selection.

- Paper Maps – Boundary Sheets Only
- Paper Maps – All Sheets
- Paper Maps – Indicate Sheet(s) or Entity(ies) needed, i.e. 1–5 or 1, 3, 10, A1 or Argo Town, Brea City. ↗

Boundary and Annexation Survey (BAS)

Schedule (every year)

- **November/December** – Advanced response packages mailed
- **February 1** – Deadline to let Census Bureau know you would like materials shipped
- **March 1** – Deadline to provide annexations that will be included in the yearly Population Estimates Program and American Community Survey
- **May 31** – Deadline for annexations to be included in next years BAS materials

For BAS Information/Questions

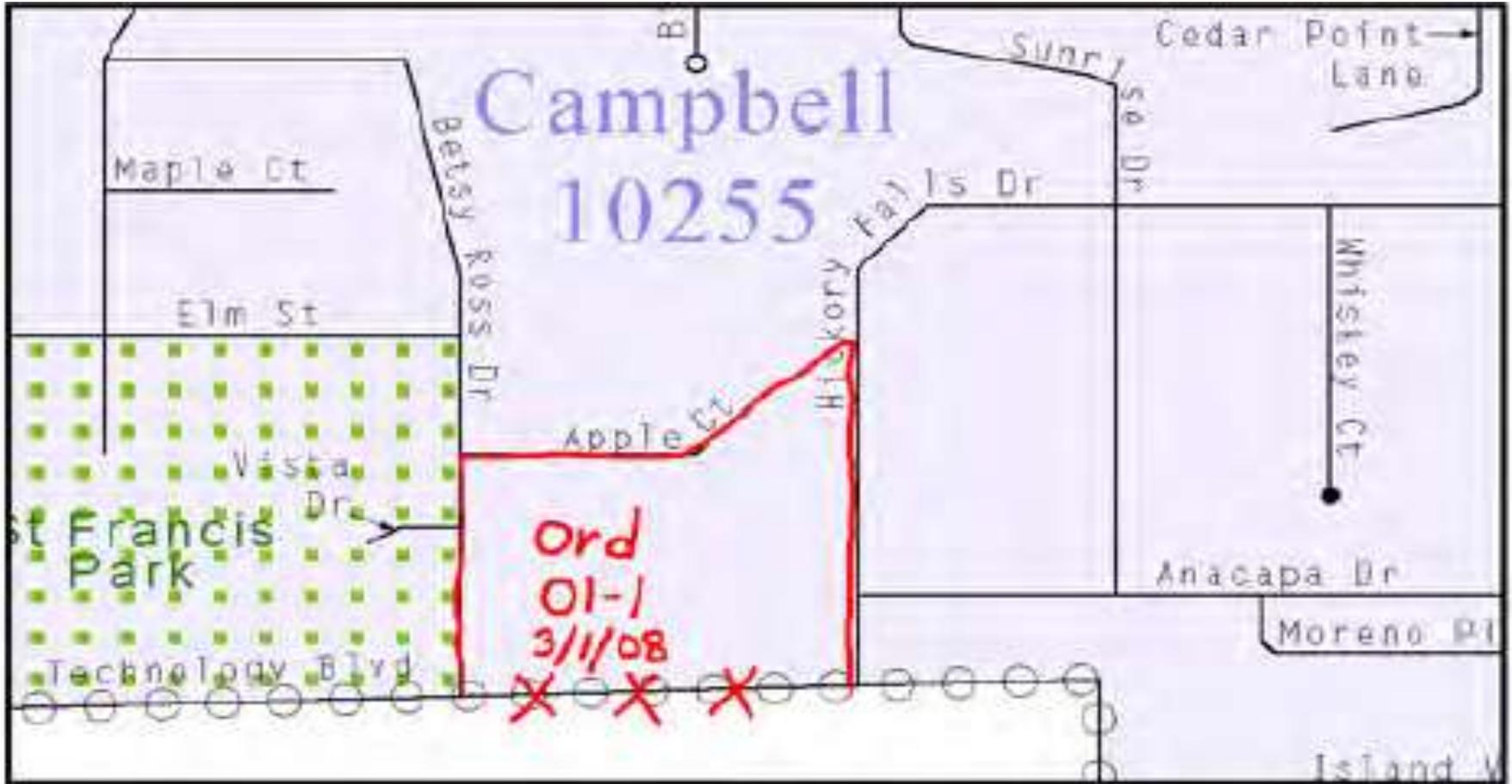
Telephone: 800-763-8638

Email: geo.bas@census.gov

Website: <http://www.census.gov/geo/www/bas/bashome.html>

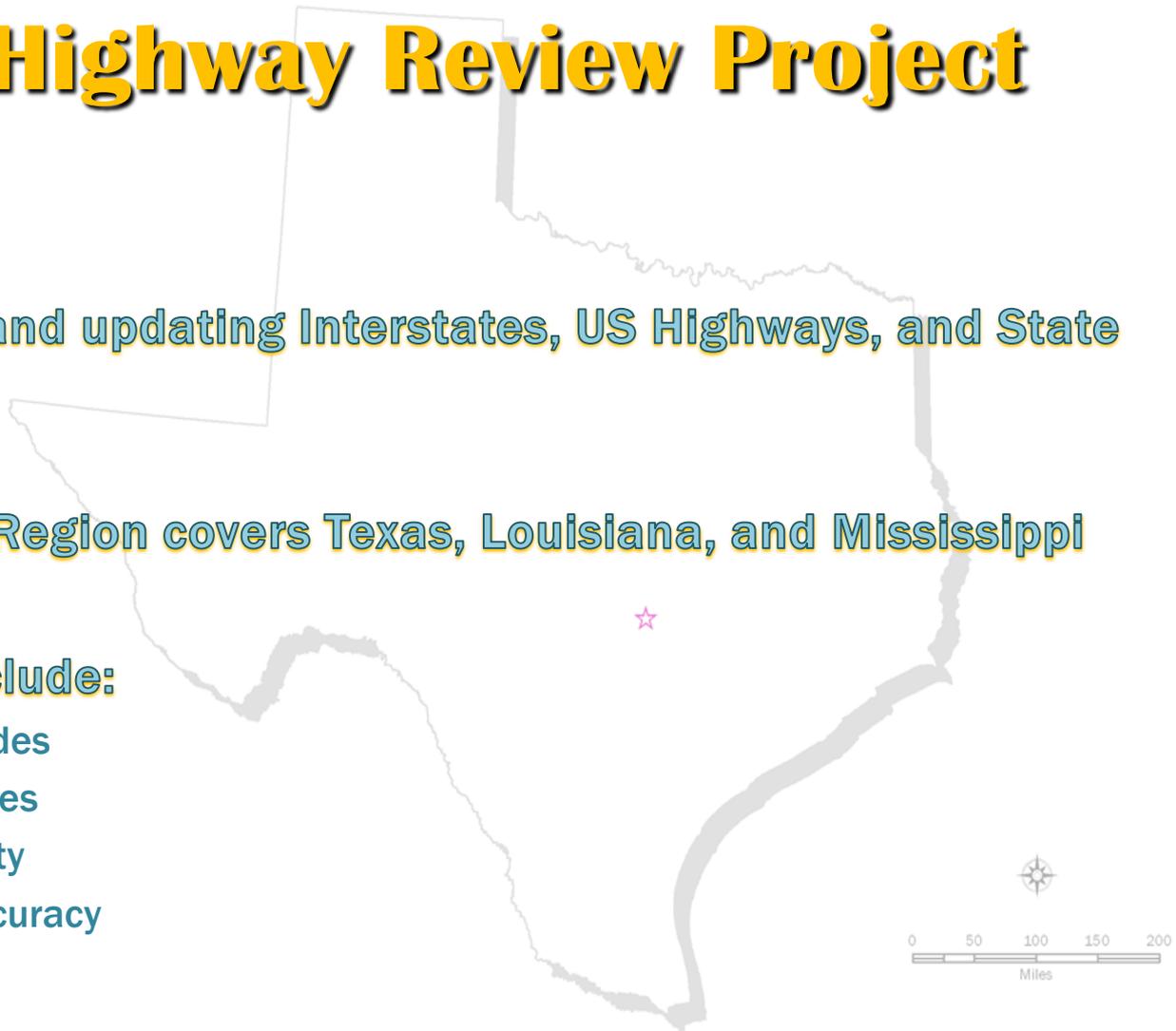


Boundary and Annexation Survey (BAS)

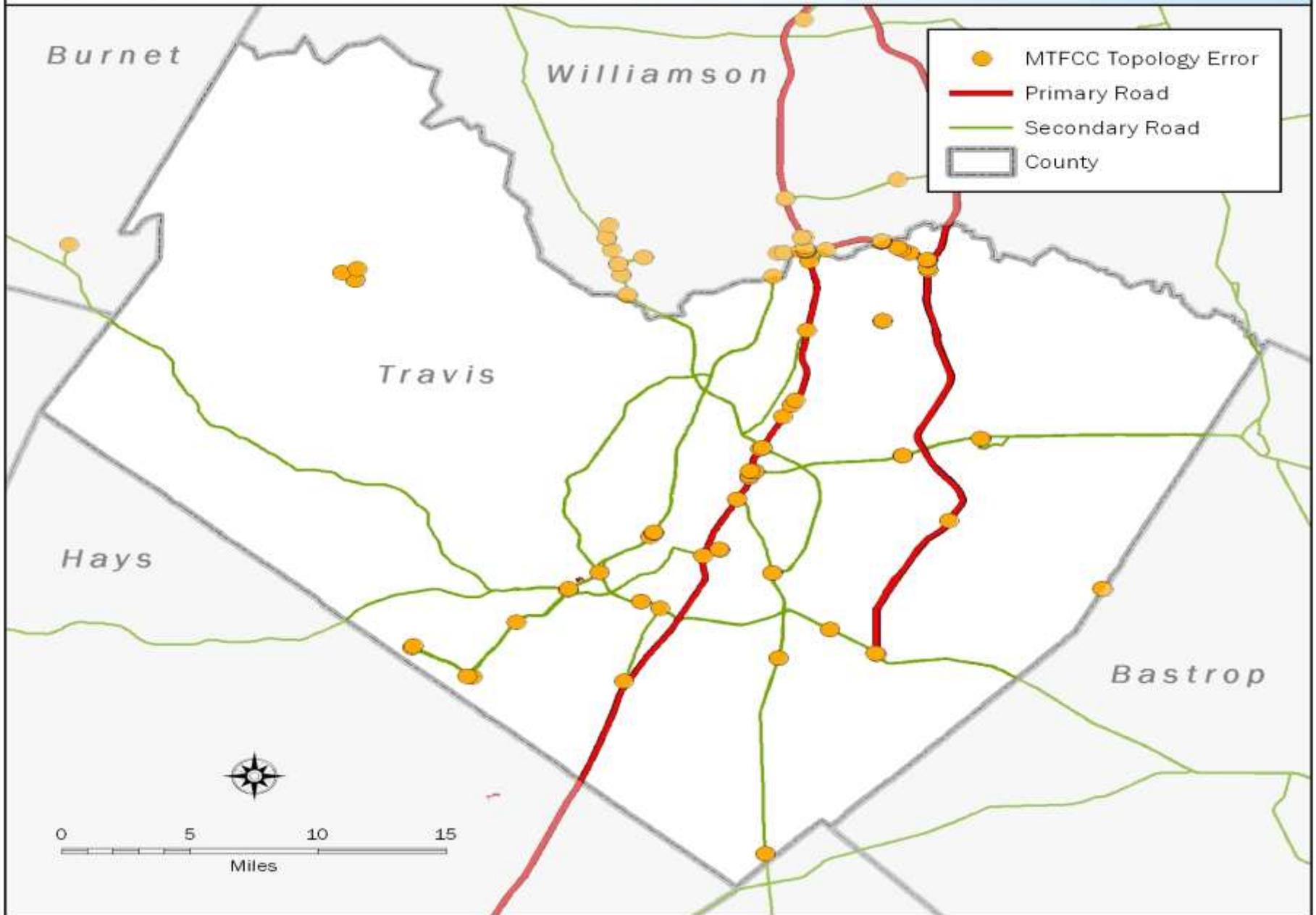


Highway Review Project

- Reviewing and updating Interstates, US Highways, and State Highways
- The Dallas Region covers Texas, Louisiana, and Mississippi
- Updates include:
 - MTFCC Codes
 - Road Names
 - Connectivity
 - Spatial Accuracy



Highway Review: Travis County, Texas



Highway Review Project

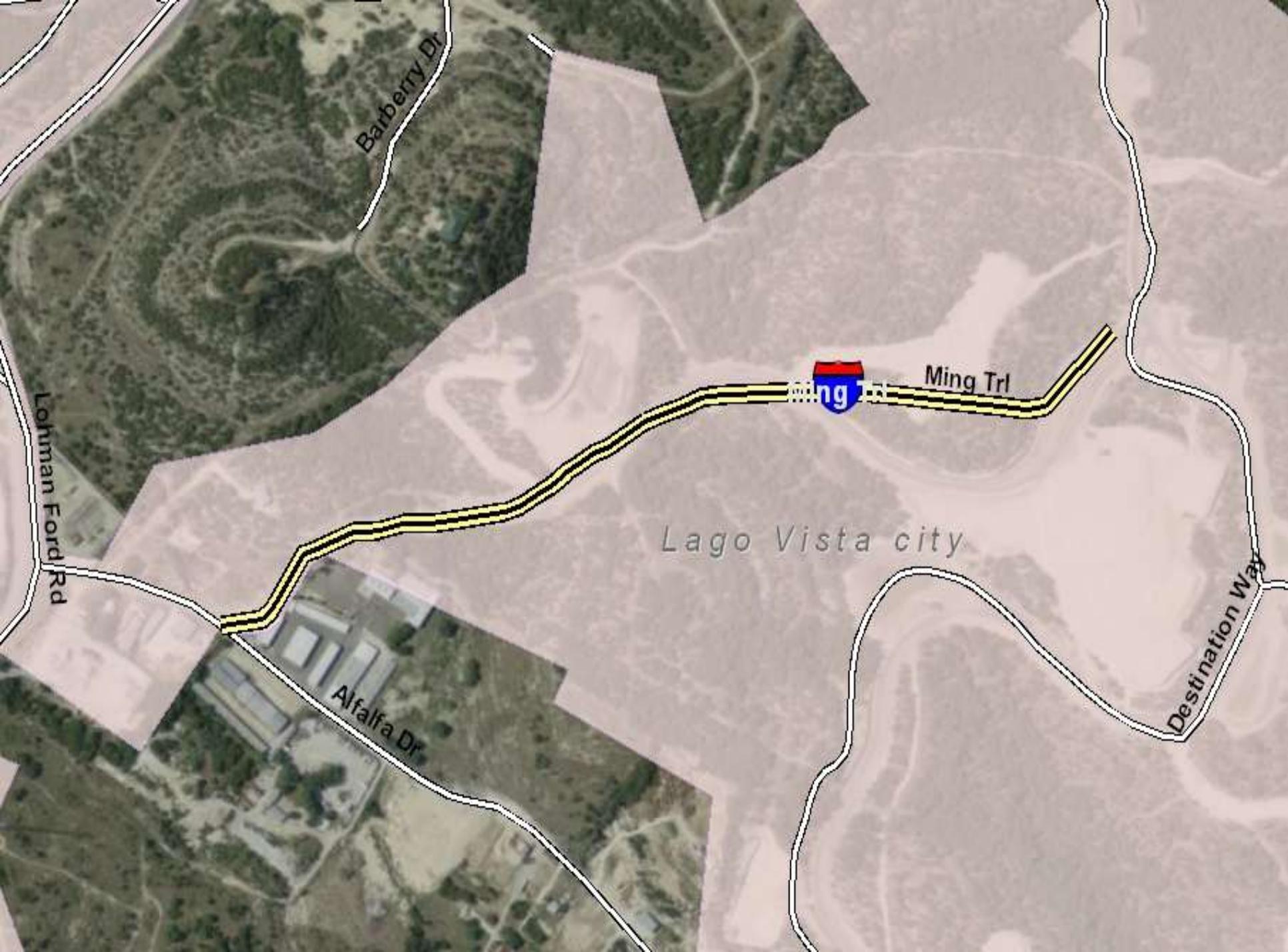
Table

tl_2010_48453_roads

FID	Shape *	STATEFP	COUNTYFP	LINEARID	FULLNAME	RTTYP	MTFCC
13472	Polyline	48	453	110485809017	Minda Dr	M	S1400
782	Polyline	48	453	110485878566	Mineola Ct	M	S1400
12316	Polyline	48	453	110485901781	Mineral Wells Dr	M	S1400
16778	Polyline	48	453	110485878569	Minerva St	M	S1400
12380	Polyline	48	453	1101951493953	Ming Trl	M	S1100
17440	Polyline	48	453	1101955393650	Ming Trl	M	S1100
7313	Polyline	48	453	110485843752	Mingus Dr	M	S1400
11086	Polyline	48	453	110485730783	Mini Cir	M	S1400
12465	Polyline	48	453	1103742428947	Minikahada Cove	M	S1400
2312	Polyline	48	453	110485903544	Minikahada Cove	M	S1400
7240	Polyline	48	453	110485887854	Minnesota Ln	M	S1400
918	Polyline	48	453	110485843755	Minnie Dr	M	S1400

0 (2 out of 20463 Selected)

tl_2010_48453_roads



Barberry Dr

Lohman Ford Rd

Alfalfa Dr



Ming Trl

Lago Vista city

Destination Way



Hwy 6 E

State Hwy 6

Co Rd 425

Co Rd 282

Co Rd 283

Co Rd 783

Highway Review Project

Using SQL Queries to Identify Potential Errors

```
arcpy.SelectLayerByAttribute_management("Roads", "NEW_SELECTION", "[OBJECTID] >-1")  
cur = arcpy.UpdateCursor("Roads", "[DISPNAME] LIKE '* Hwy *' AND [MTFCC] <> 'S1200'")
```

for rows in cur:

```
    rows.NOTES = "Check Hwy for MTFCC"  
    cur.updateRow(rows)
```

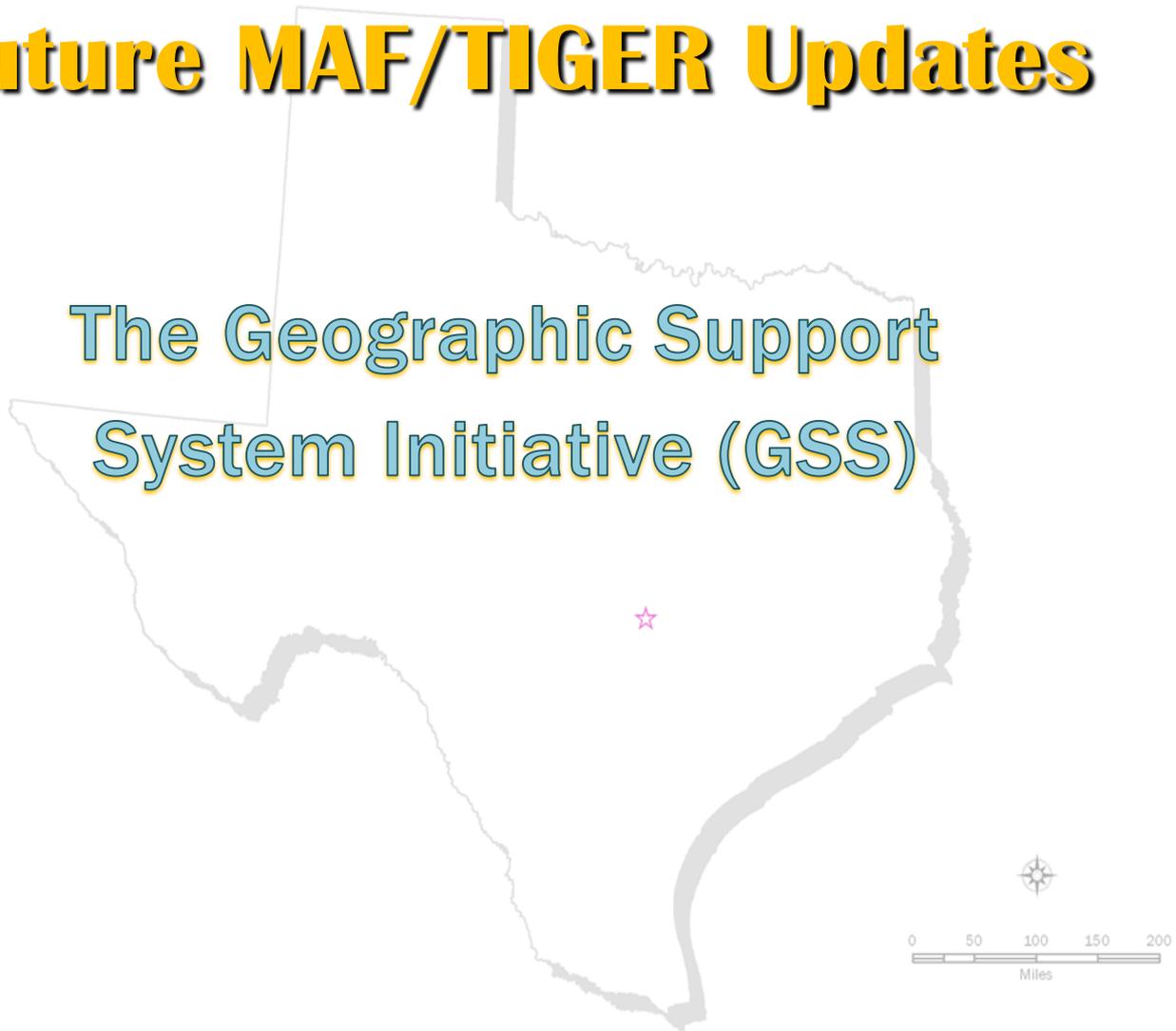
```
cur = arcpy.UpdateCursor("Roads", "[DISPNAME] LIKE '*State *' AND [MTFCC] <> 'S1200'")
```

for rows in cur:

```
    rows.NOTES = "Check State Hwy for MTFCC"  
    cur.updateRow(rows)
```

Future MAF/TIGER Updates

The Geographic Support System Initiative (GSS)



Future MAF/TIGER Updates

- Integrated program that includes
 - Improved address coverage
 - Continual spatial updates
 - Enhanced quality assessment and measurement
- Continual updates throughout the decade to support current surveys
 - Could lead to improved ACS data collection & dissemination
 - Improved addresses & features helps other survey samples as well
- Supports a targeted Address Canvassing operation for 2020 Census
- Funding not fully approved for this 10 year lifecycle project

What is the
GSS?



Future MAF/TIGER Updates

GSS Progress to Date

- Formed 10 working groups
 - Address Coverage, Feature Coverage, Geocoding, GPS, MAF/TIGER Integration, Partnerships, Policy, Project & Contract Management, Quality/Assessments/Evaluations and Research & Development
- Identified top priorities within each working group
- Explore & research the top priorities
- Various divisions at Census involved, but also USGS, USPS, and NOAA



Future MAF/TIGER Updates

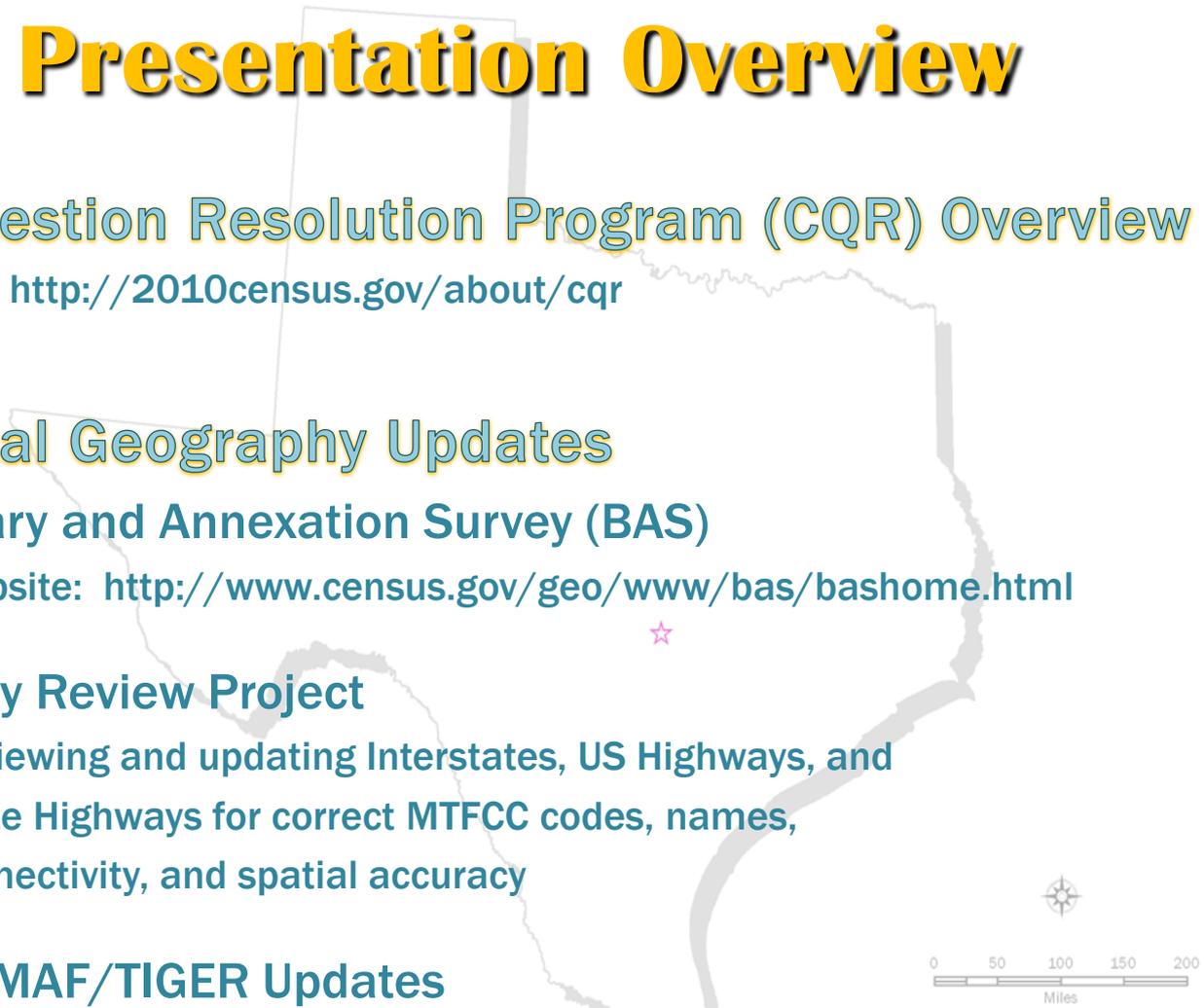
How Can You Help the GSS?

- Educate your partners about the MAF/TIGER database & the importance
- Participate in the GIS Inventory effort
 - <http://www.gisinventory.net/>
- Participate in discussions with Census & facilitate open communication
- Realize 2020 planning has already begun



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 - Geographic Support System Initiative (GSS)



Thank You!

Questions?



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214-267-6920

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214-253-4400

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