



# WELCOME TO THE VISIONING WORKSHOP FOR THE BASTROP COUNTY TRANSPORTATION PLAN!

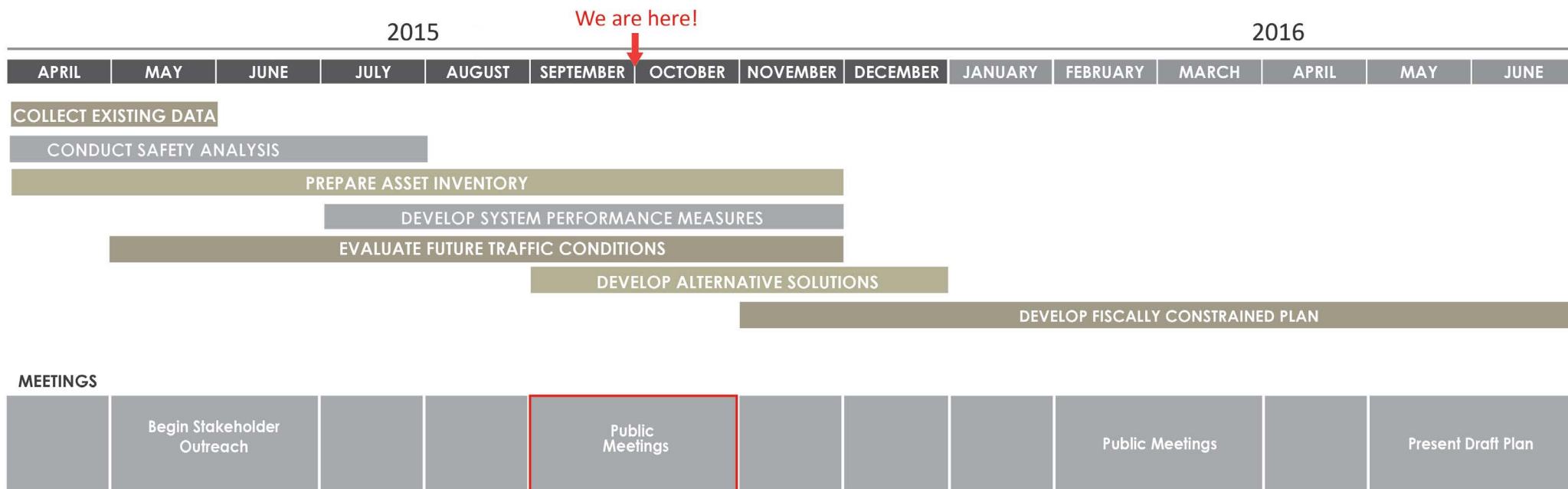
OCTOBER 7TH, 2015



# PURPOSE OF THE PLAN



- ▶ Understand transportation system needs
- ▶ Asset inventory
- ▶ Define a vision and establish goals
- ▶ Prioritize projects
- ▶ Put county in position to secure funding



# MEETING OBJECTIVES



- ▶ Help us understand the critical transportation issues that you expect the county to face in the future.
- ▶ Help us determine the importance of various goals and scoring criteria that will be used to evaluate transportation projects.
- ▶ Share with us your vision of what the future transportation system in Bastrop County should look like to best serve all users.





# EXERCISE 1: STAKEHOLDERS PRESENT



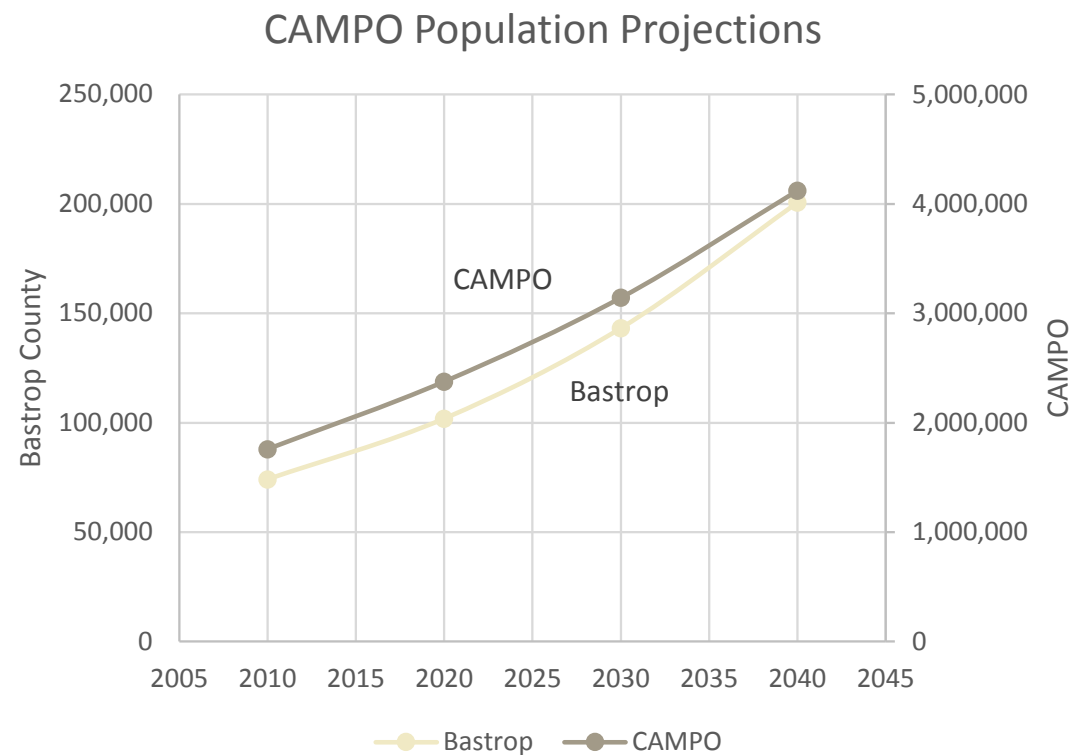
- ▶ Which stakeholder groups are represented at tonight's meeting?
- ▶ What groups are missing?



# GROWTH TRENDS: POPULATION



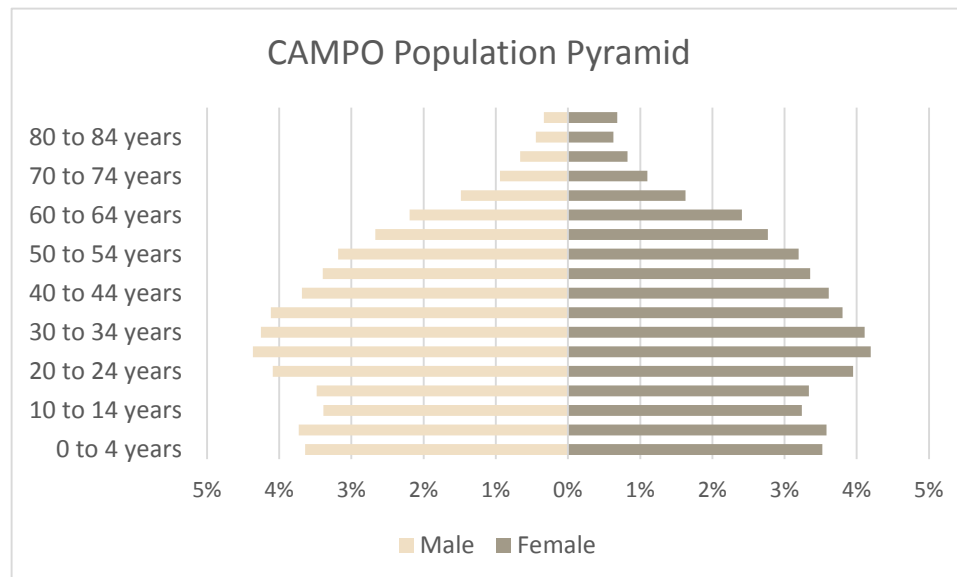
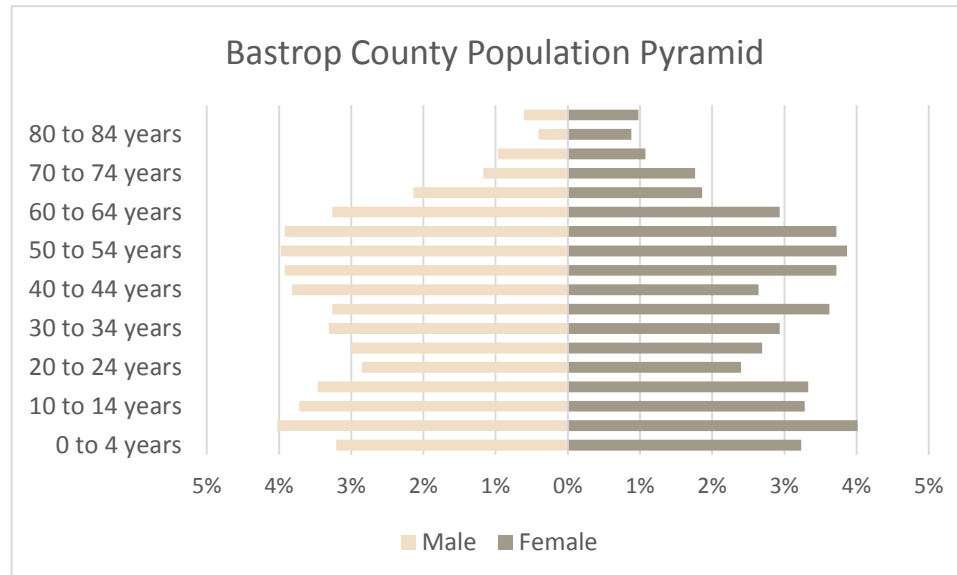
- ▶ Bastrop County had an estimated 78,069 residents in 2014 (US Census Bureau annual estimates)
- ▶ Projected 2040 population: 200,583 (CAMPO 2040 Long Range Transportation Plan)
- ▶ Bastrop County is projected to make up 4.9% of the total CAMPO population by 2040, up from 4.2% in 2010.



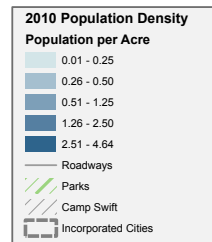
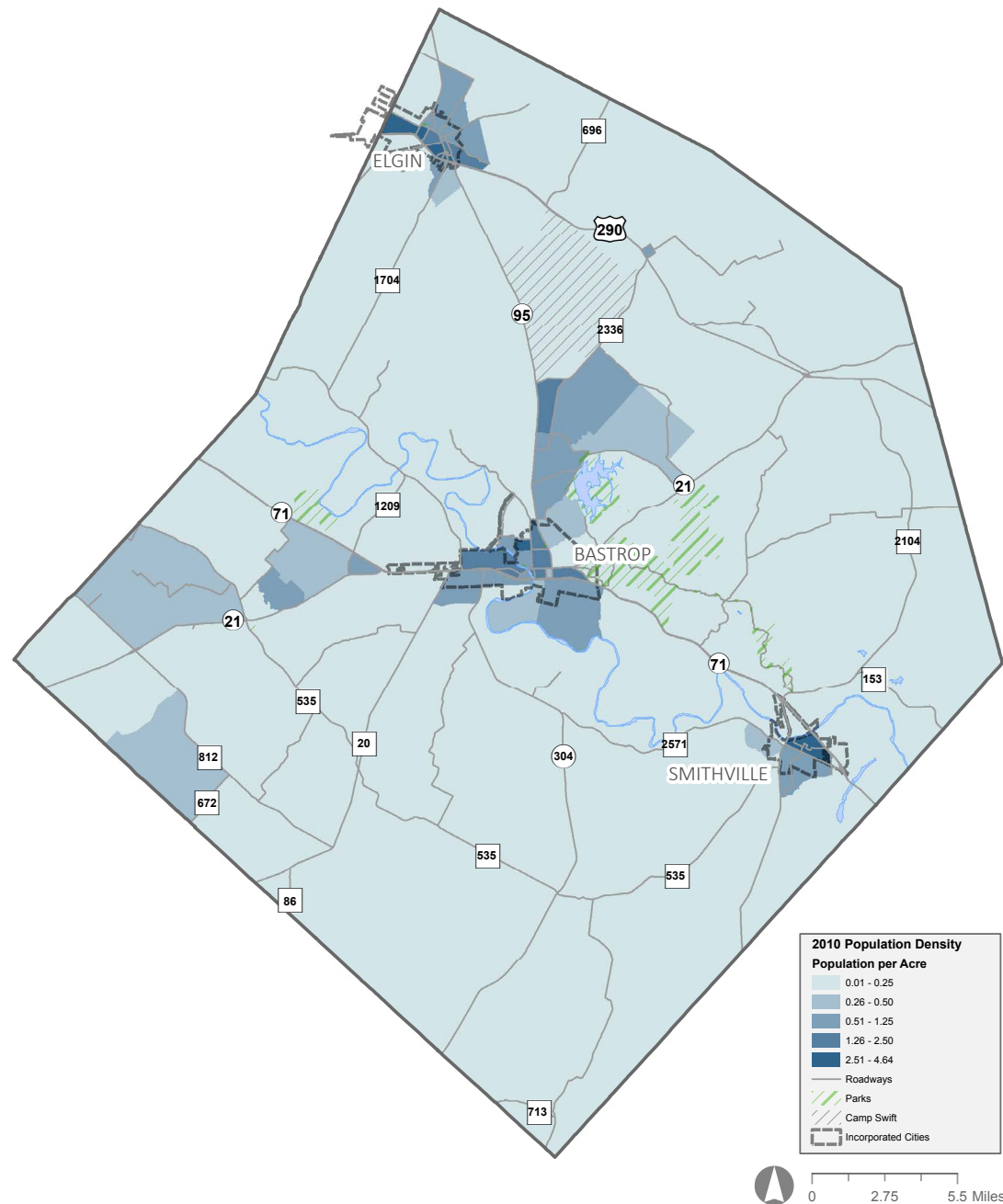
# GROWTH TRENDS: AGE



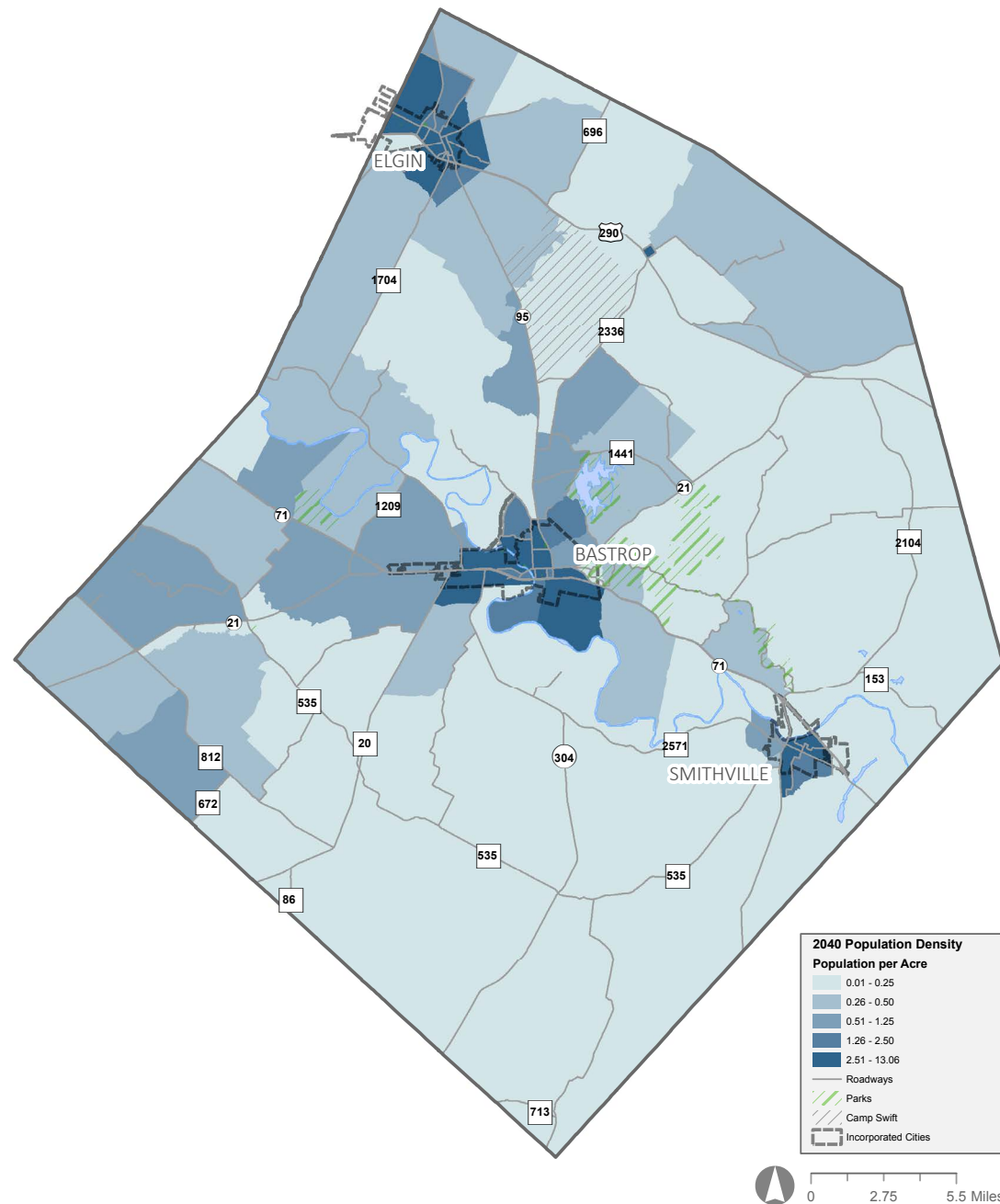
- ▶ Bastrop County has a larger proportion of both **elderly** and **very young** people than the six county CAMPO area.



# GROWTH TRENDS: 2010 POPULATION DENSITY



# GROWTH TRENDS: 2040 POPULATION DENSITY



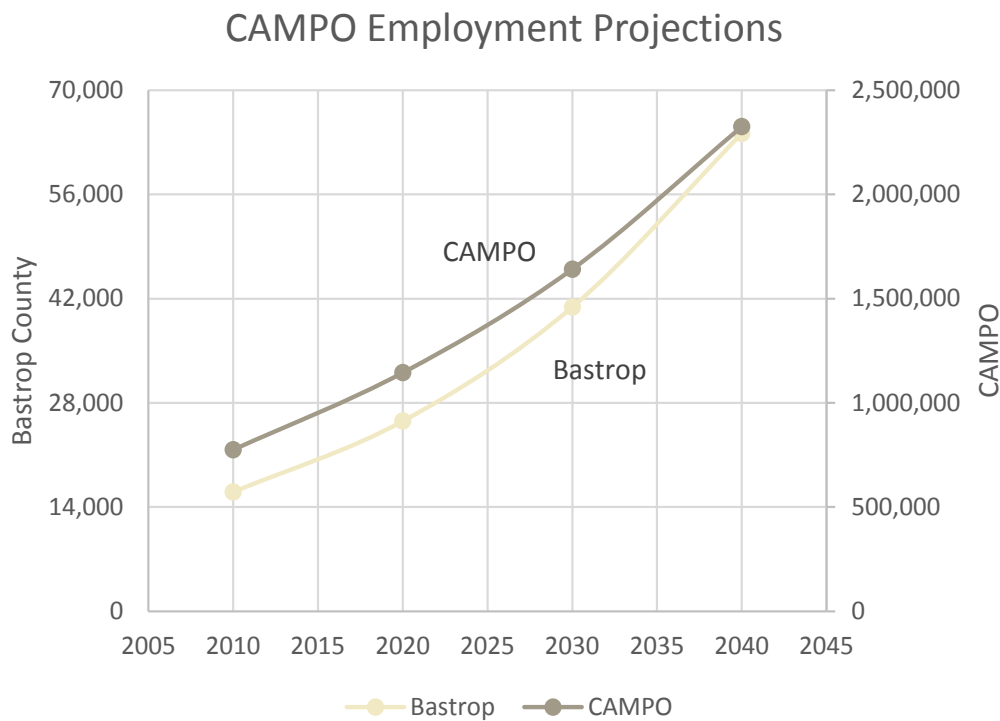


# GROWTH TRENDS: EMPLOYMENT PROJECTIONS



- ▶ Bastrop County is expected to contain 2.8% of total employment in the CAMPO region by 2040, up from 2.1% in 2010.

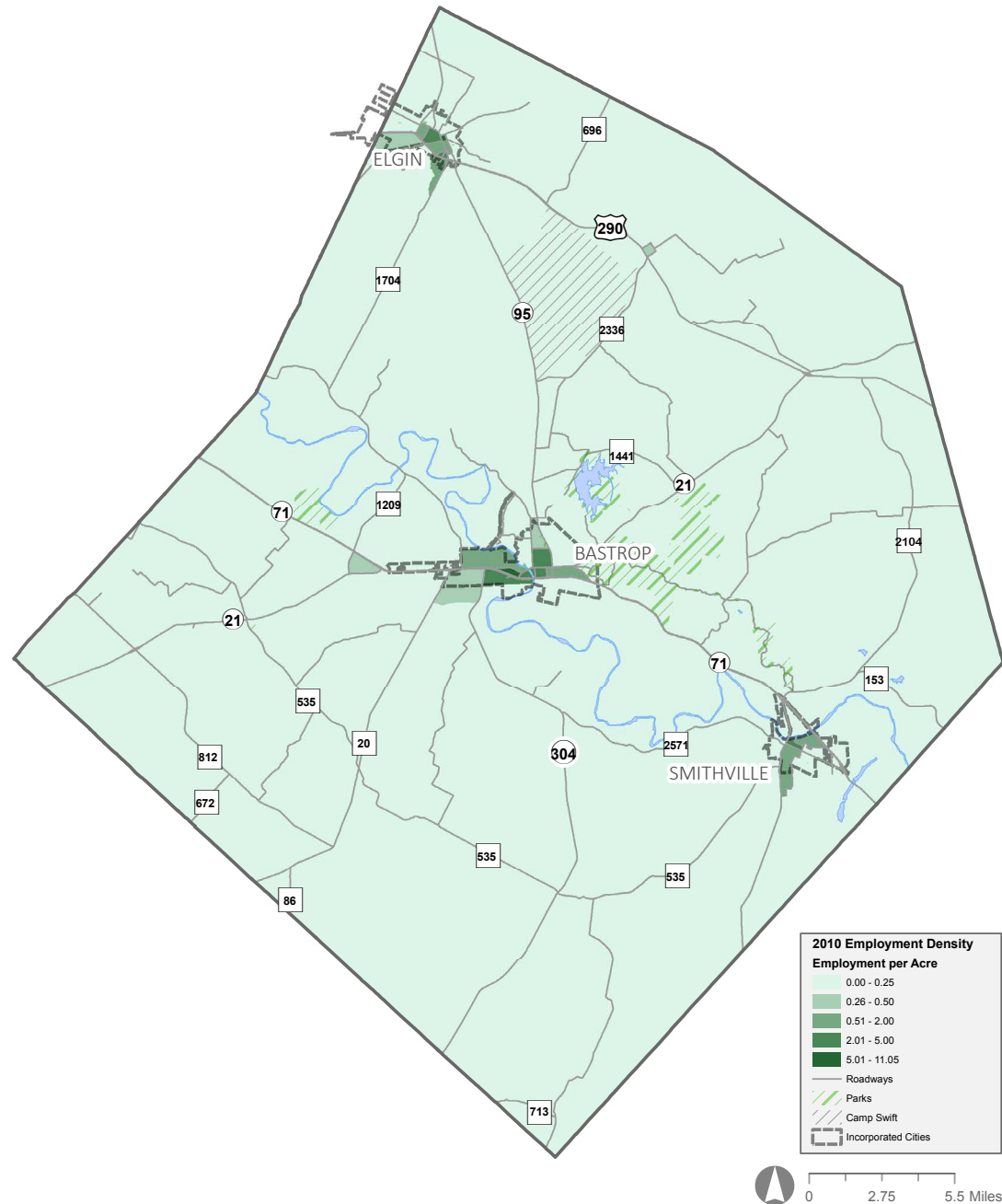
- ▶ The top five industries in Bastrop County make up over 70% of total employment.



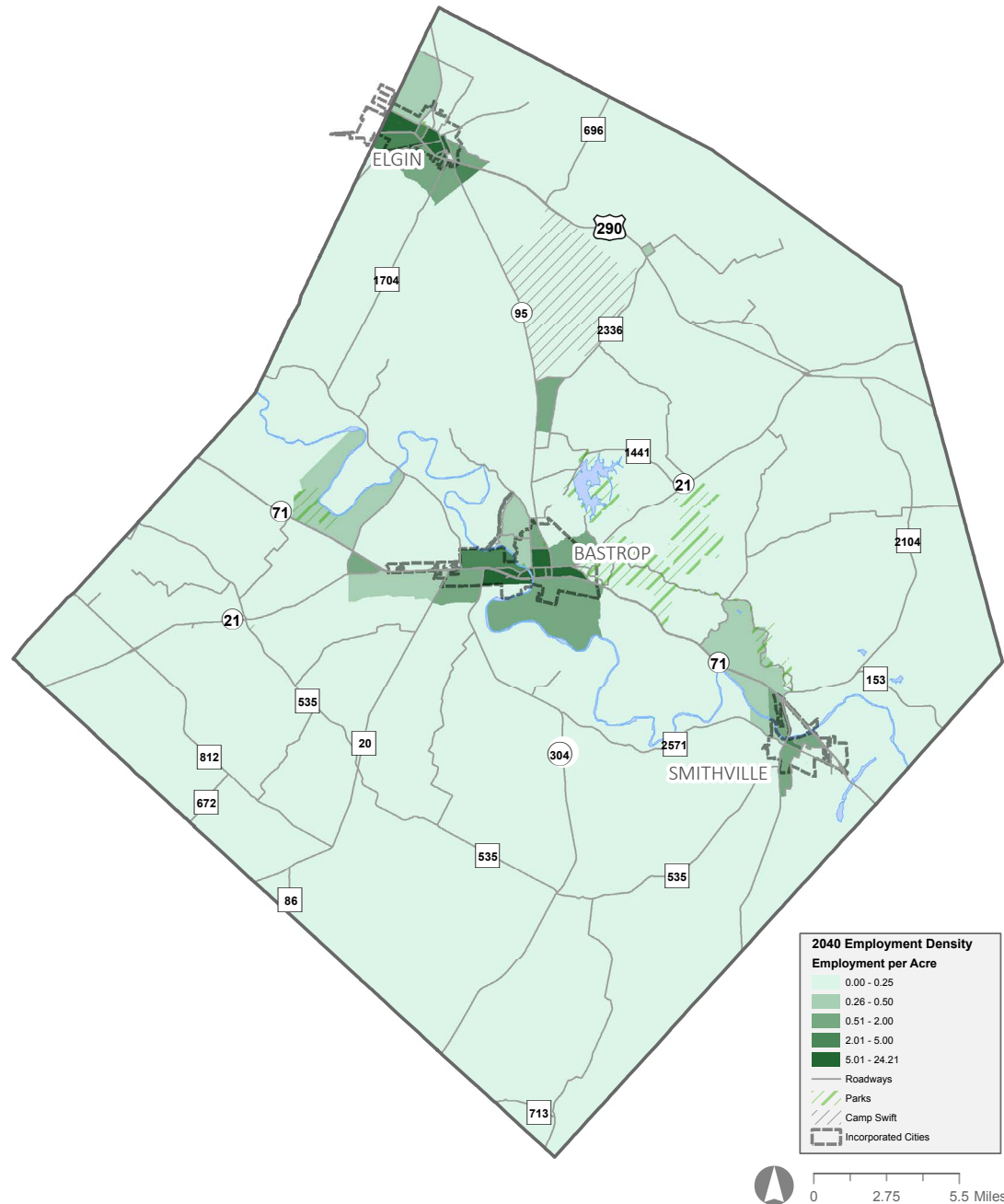
Industry	Employment	Percent of Total
Retail trade	2,724	22.5%
Accommodation and food services	2,419	20.0%
Health care and social assistance	1,741	14.4%
Manufacturing	1,008	8.3%
Construction	862	7.1%

*Table Source: 2013 County Business Patterns*

# GROWTH TRENDS: 2010 EMPLOYMENT DENSITY



# GROWTH TRENDS: 2040 EMPLOYMENT DENSITY



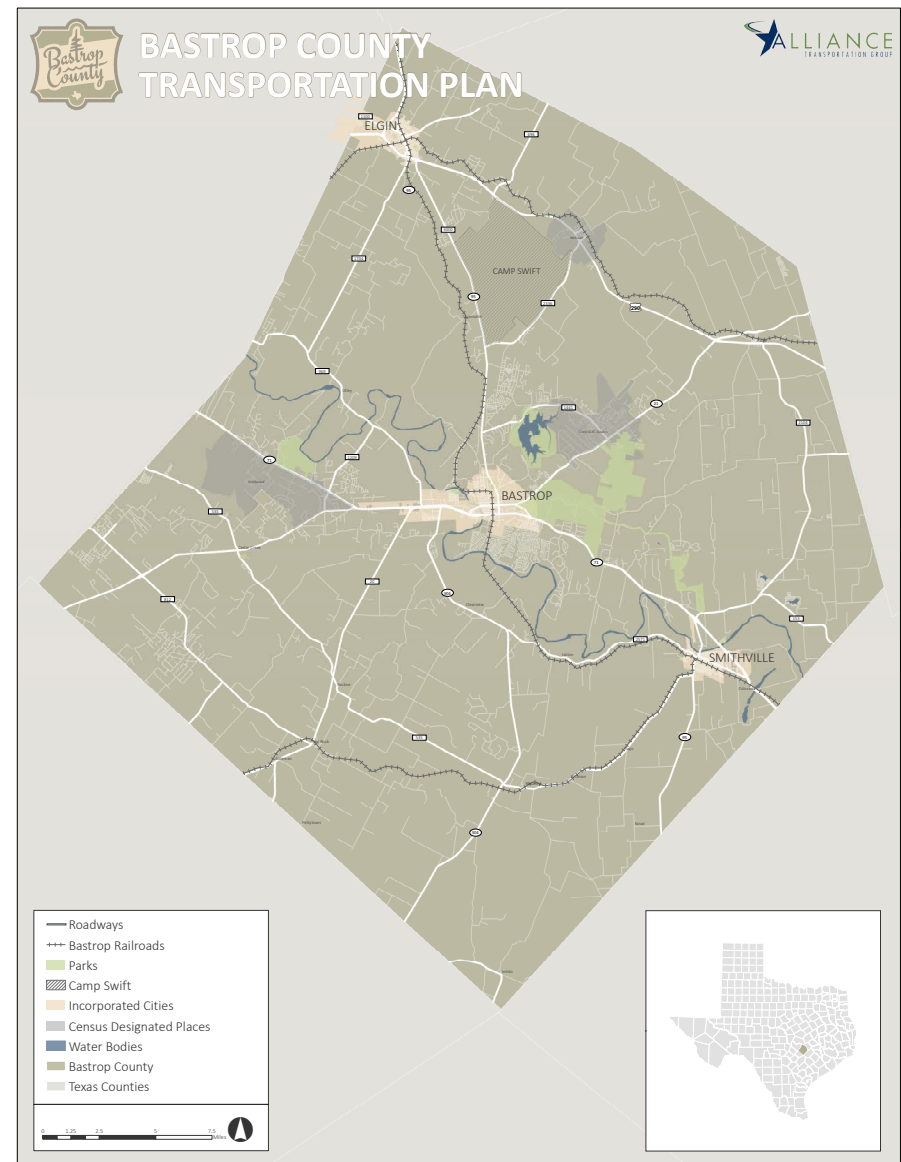
# EXERCISE 2: DIALOGUE ON GROWTH TRENDS



1.) Which areas of the county will see the highest population and employment growth?

2.) What are the constraints to growth in the county (e.g. environmental constraints, lack of utilities, etc.); where are these areas located?

3.) What aspects of the growth trends are a benefit to Bastrop County. What aspects of growth might pose challenges?



# TRANSPORTATION SYSTEM NEEDS



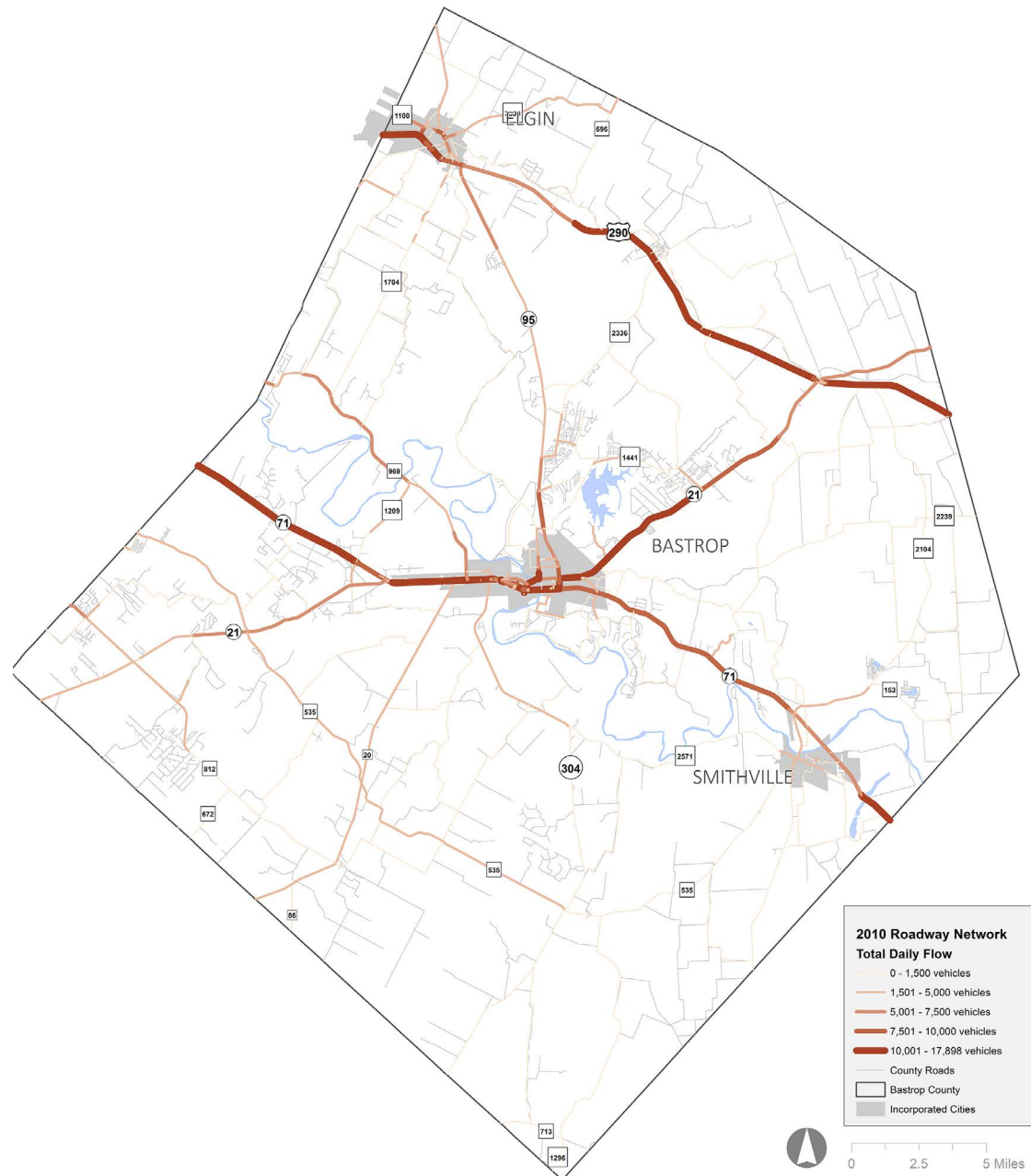
- ▶ Congestion
- ▶ Safety
- ▶ Public Transportation
- ▶ Emergency Management
- ▶ Access/Mobility
- ▶ Active Transportation Options
- ▶ Quality of Life



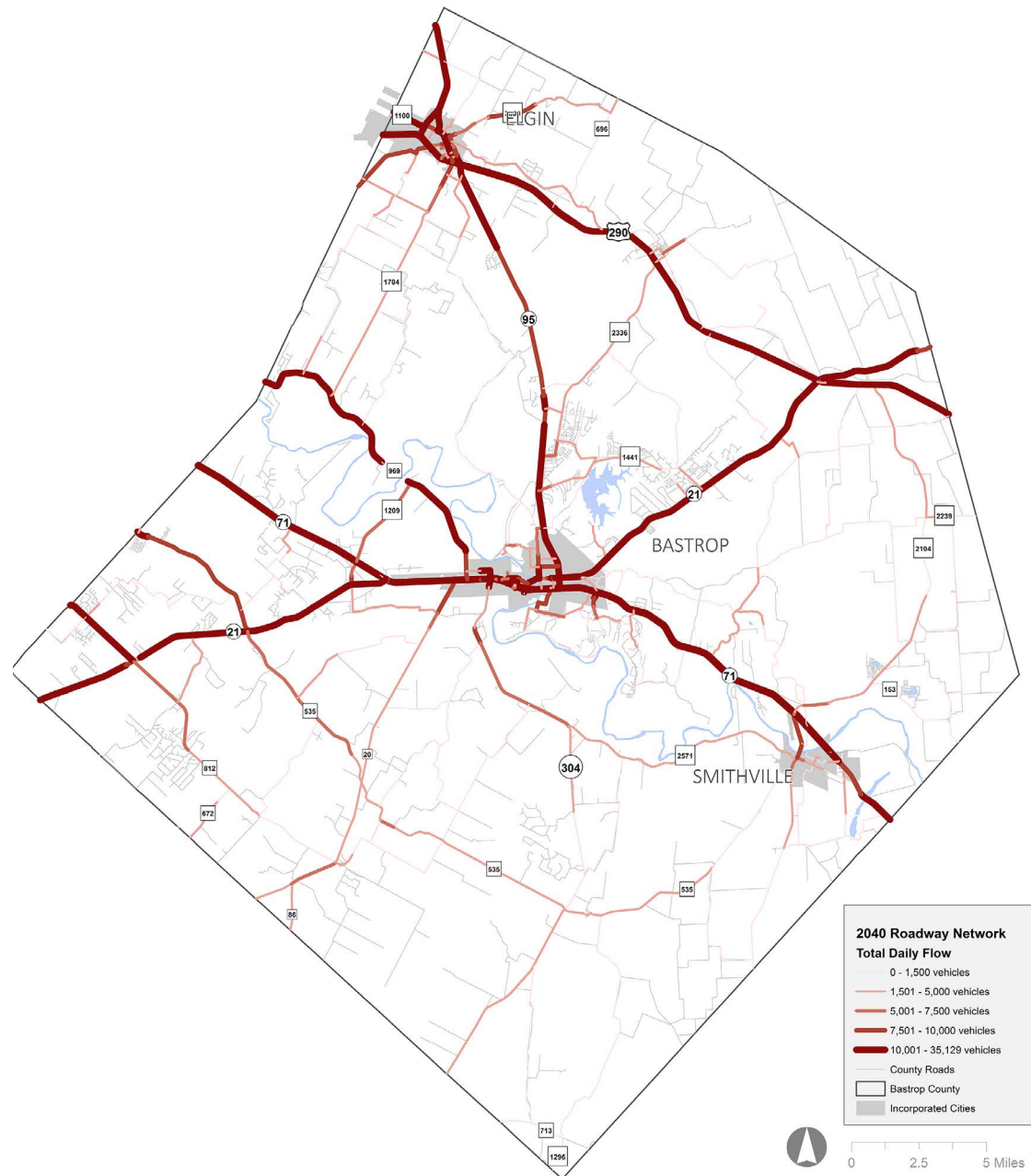
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# 2010 DAILY TRAFFIC FLOW















# 2040 DAILY TRAFFIC FLOW



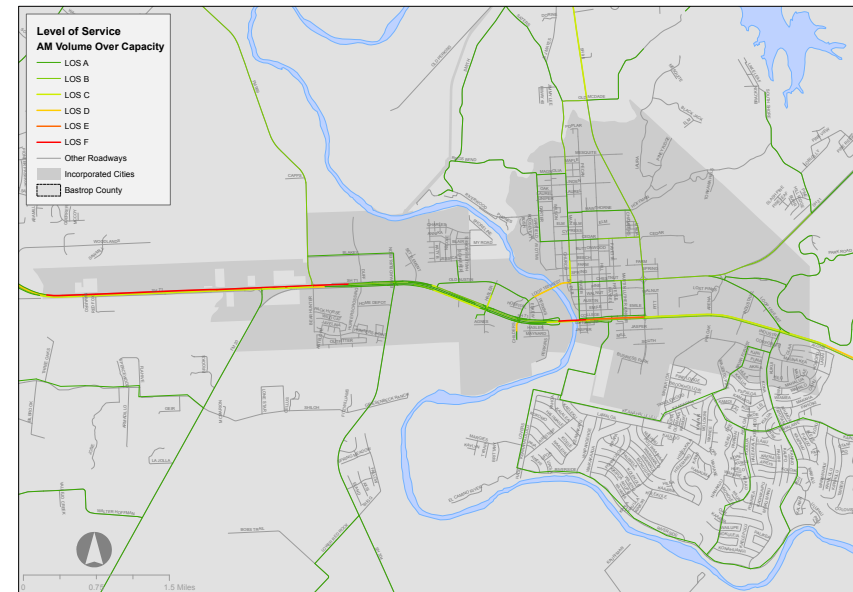
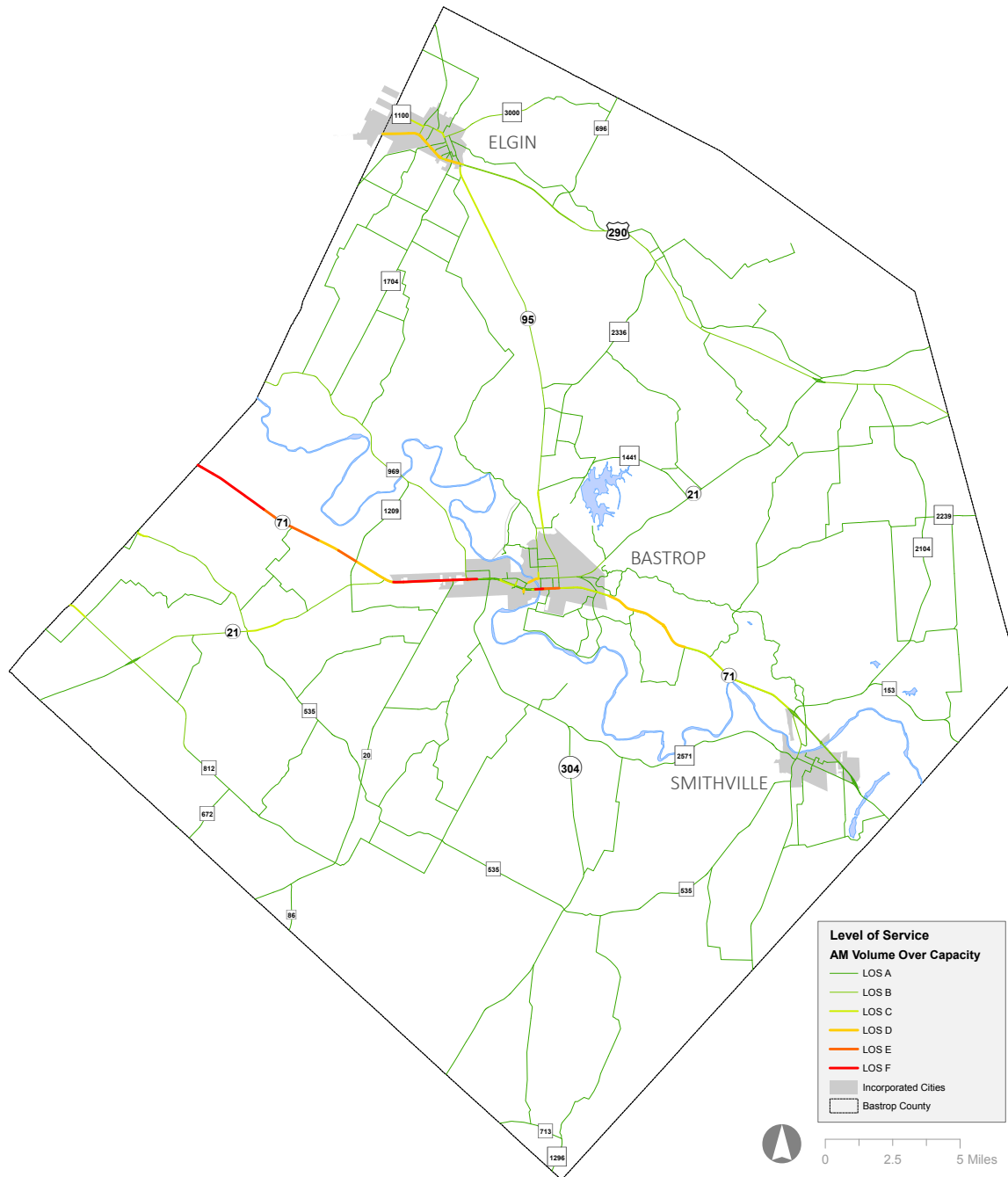
# TRANSPORTATION SYSTEM NEEDS



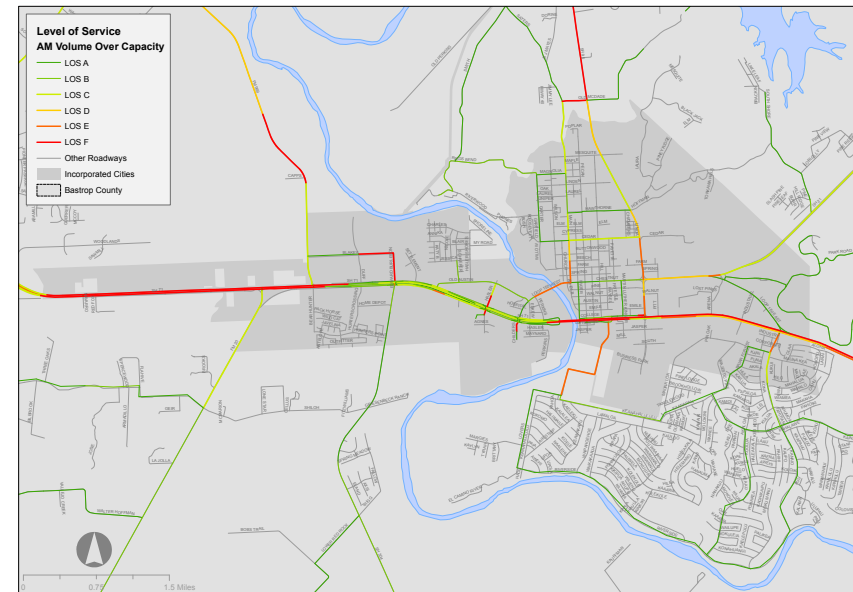
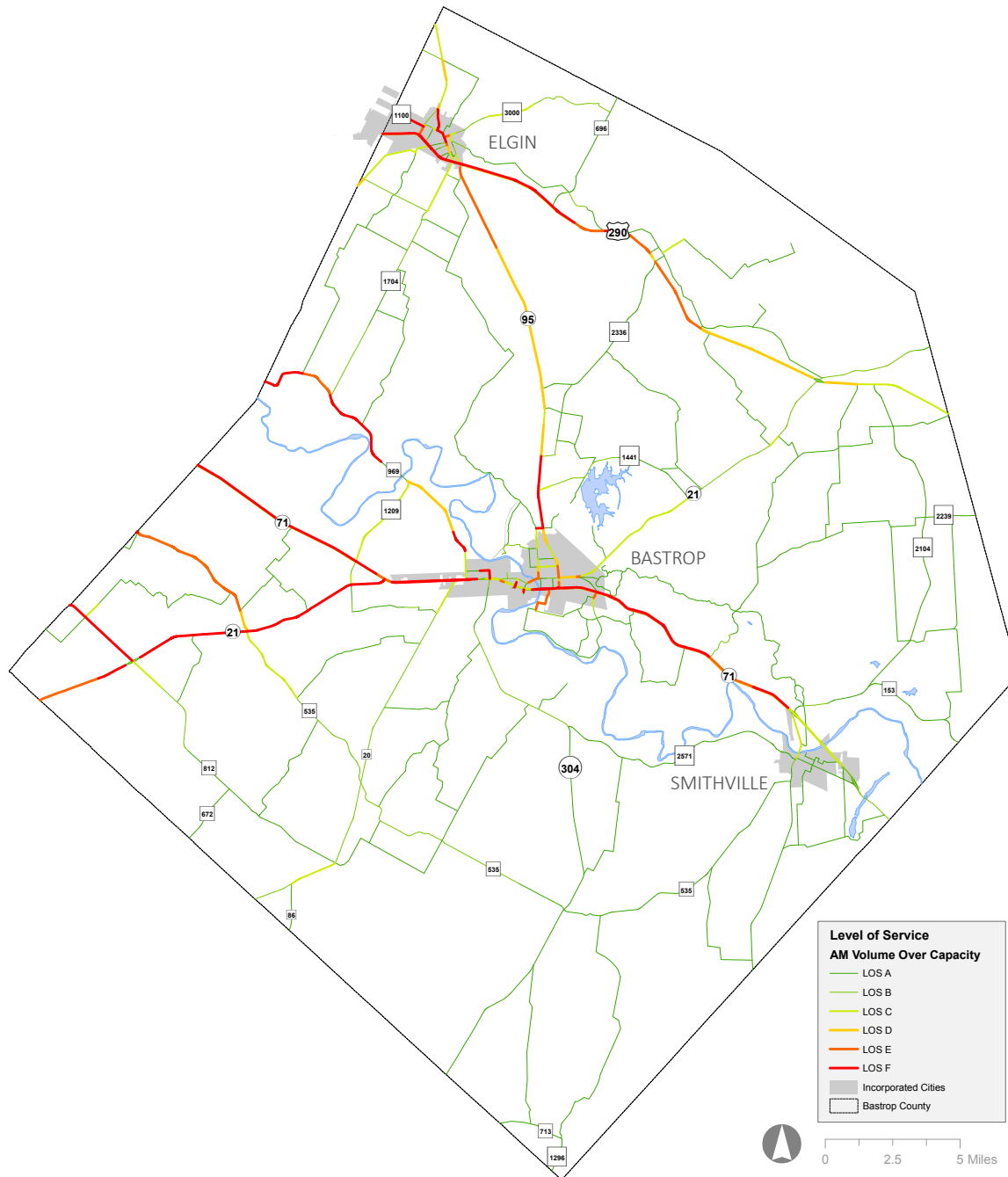
## Level of Service

		<b>a</b>	Free flow with low volumes and high speeds
		<b>b</b>	Reasonably free flow, but speeds beginning to be restricted by traffic conditions
		<b>c</b>	In stable flow zone, but most drivers are restricted in freedom of selecting their own speeds
		<b>d</b>	Approaching unstable flow; drivers have little freedom to select their own speeds
		<b>e</b>	Unstable flow; may be short stoppages
		<b>f</b>	Severe congestion; stop-and-go; forced flow

# 2010 AM LEVEL OF SERVICE

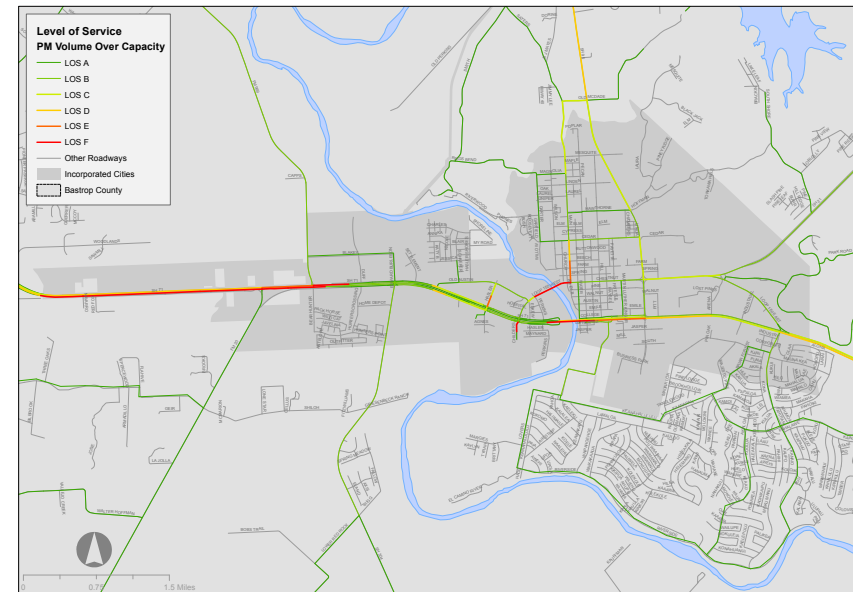
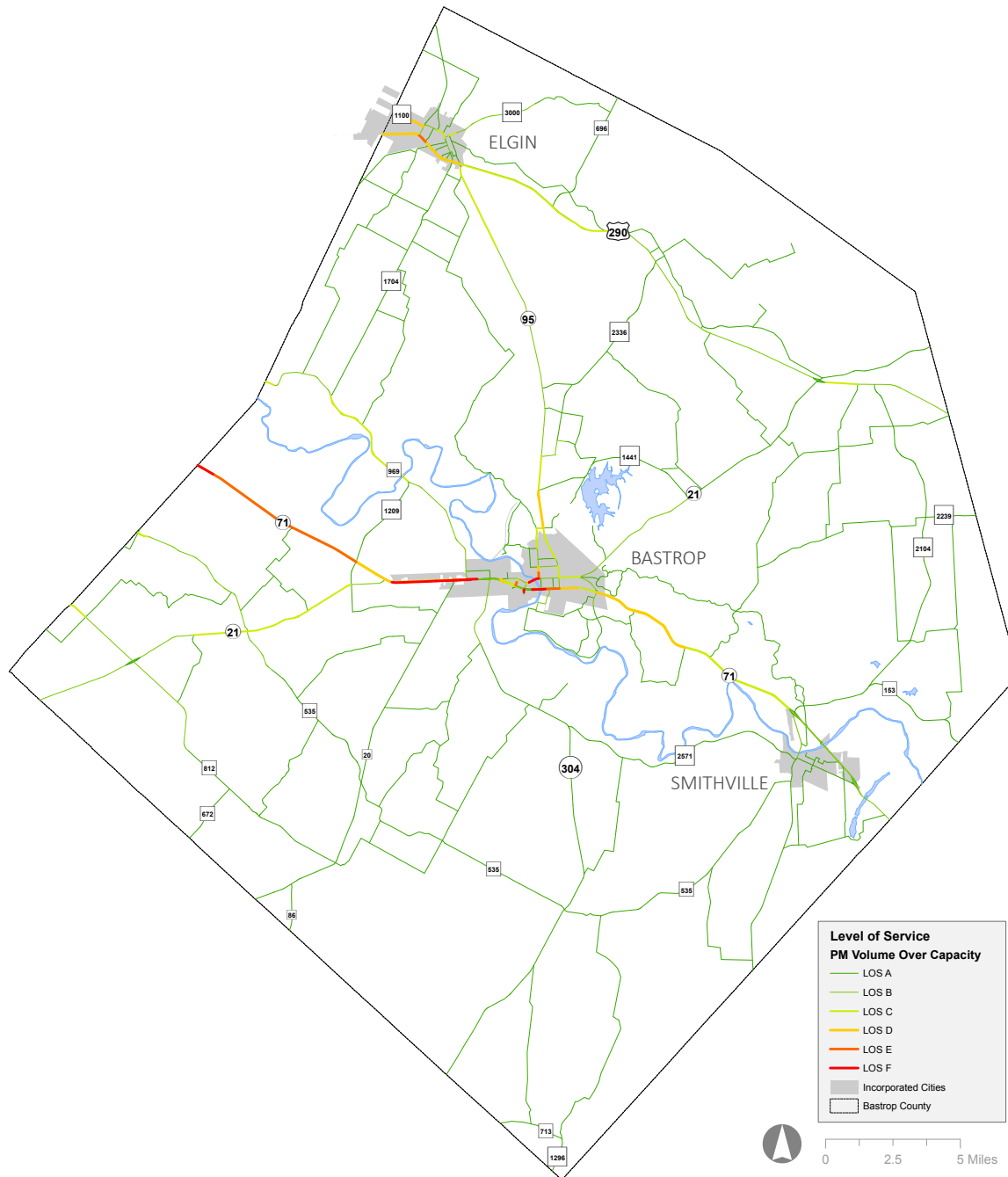


# 2040 AM LEVEL OF SERVICE

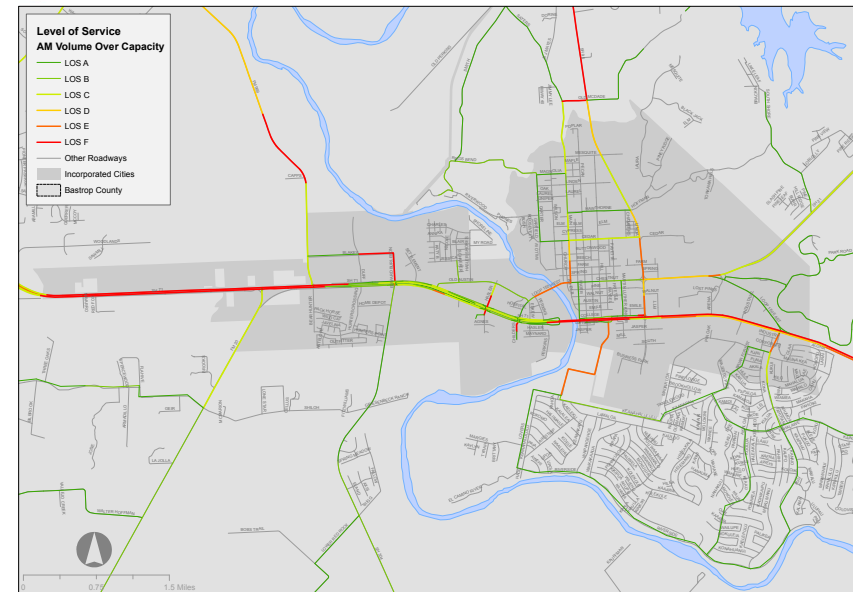
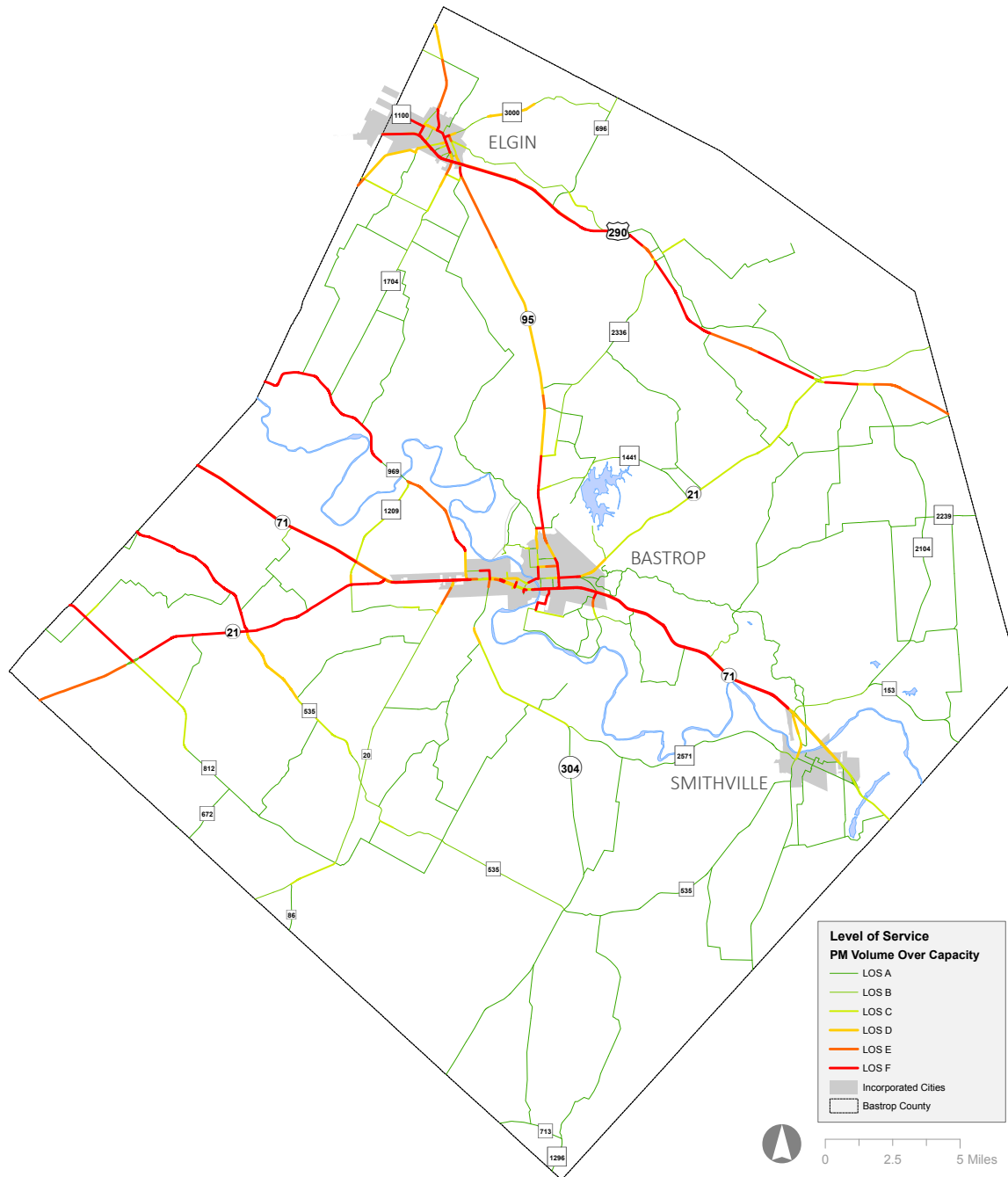




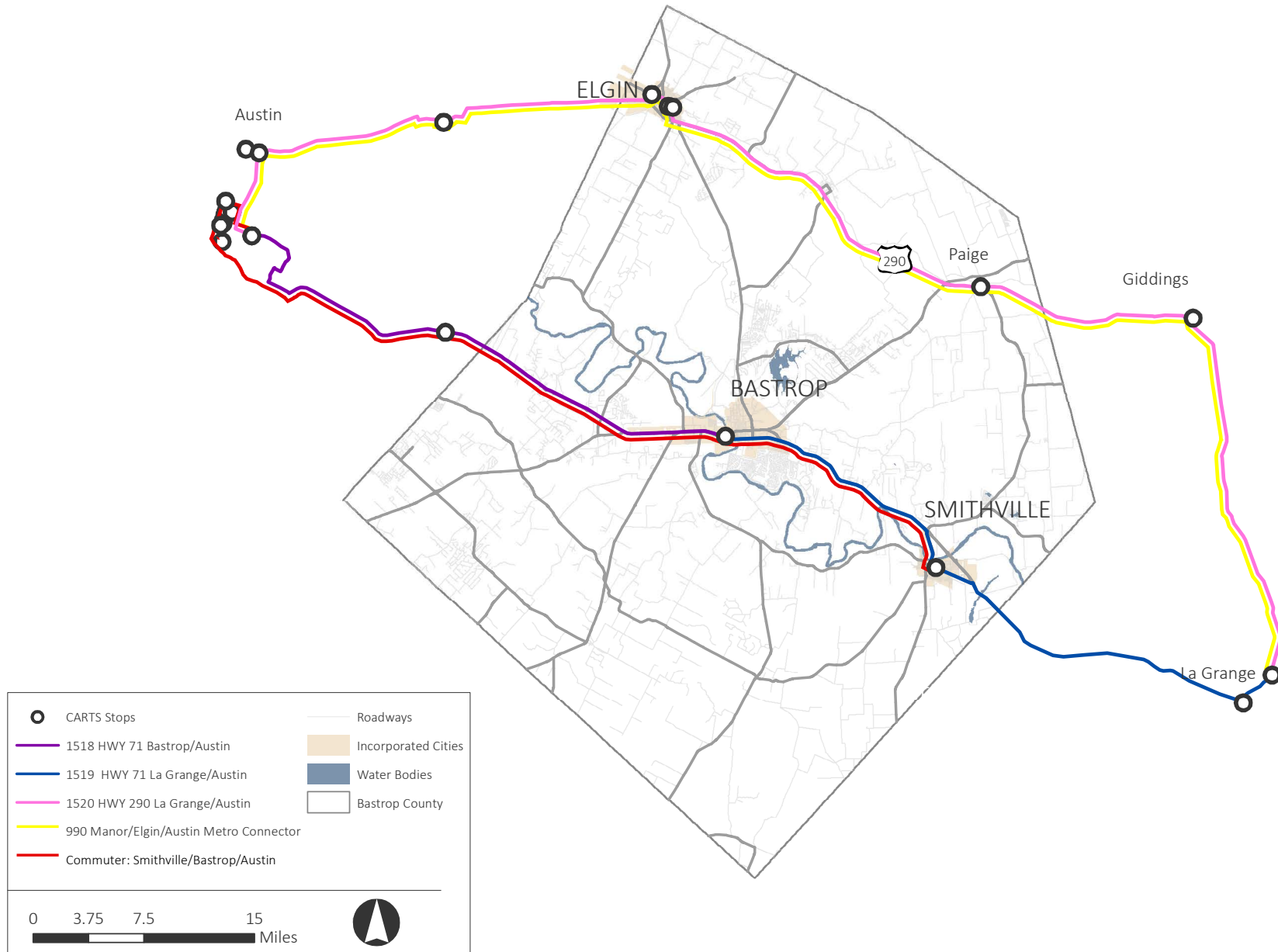
# 2010 PM LEVEL OF SERVICE



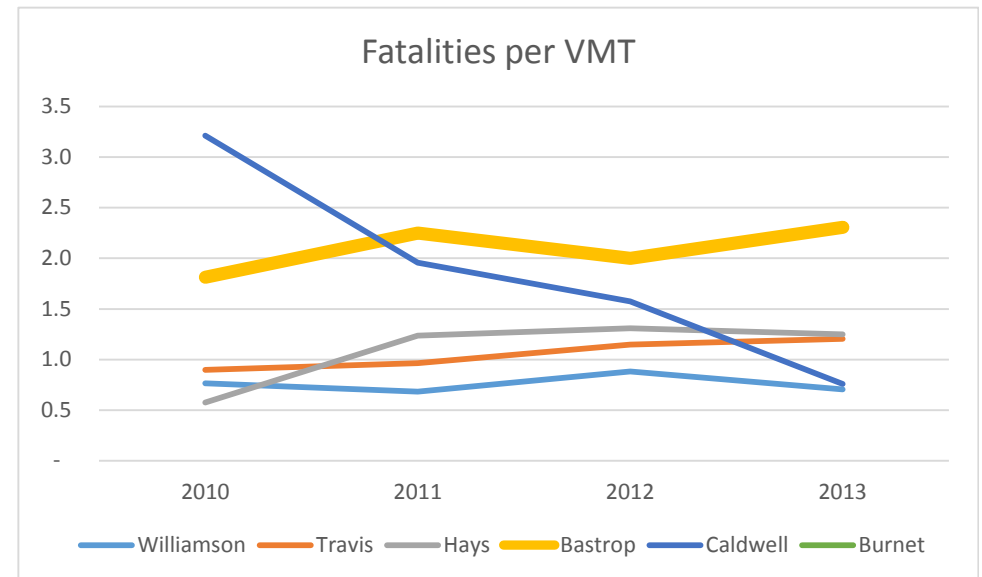
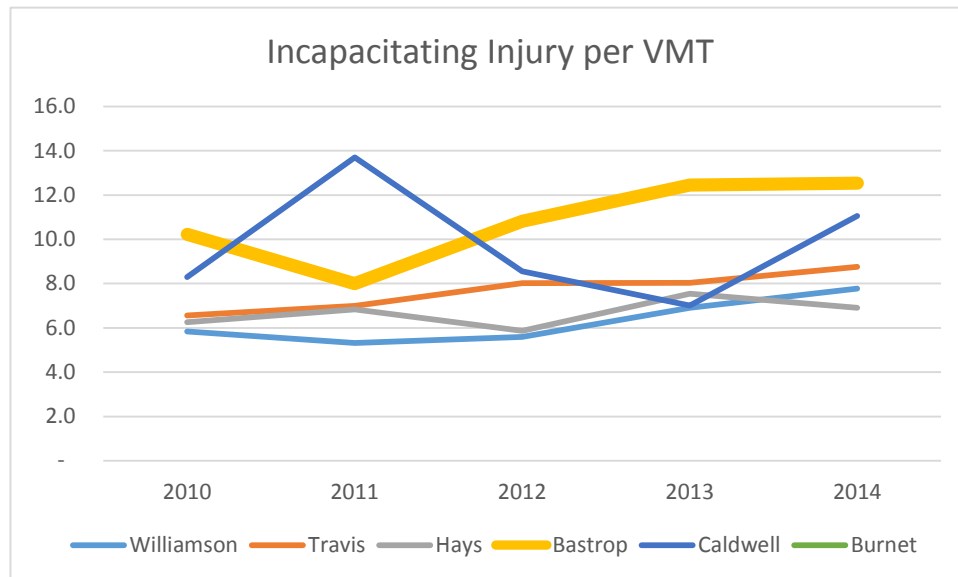
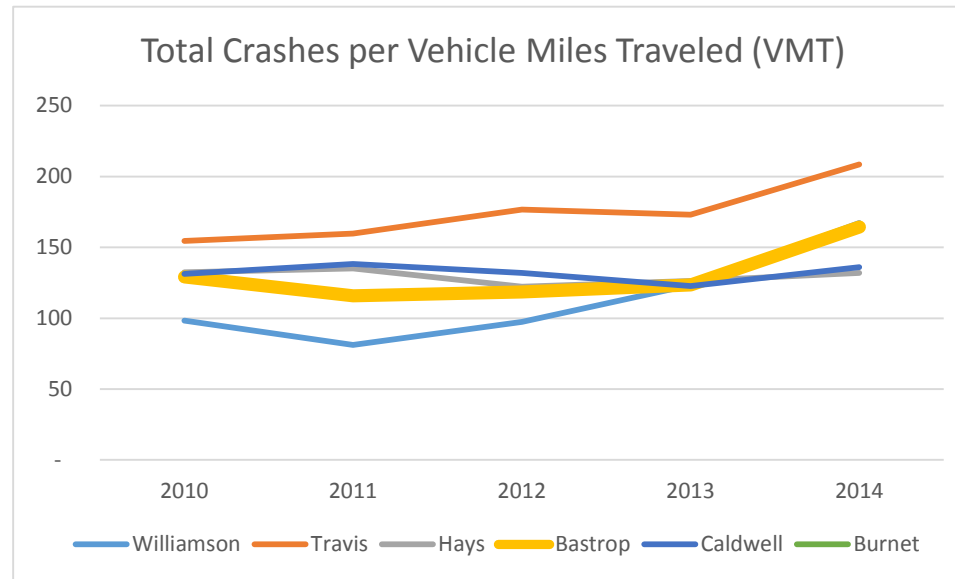
# 2040 PM LEVEL OF SERVICE



# CARTS SERVICE

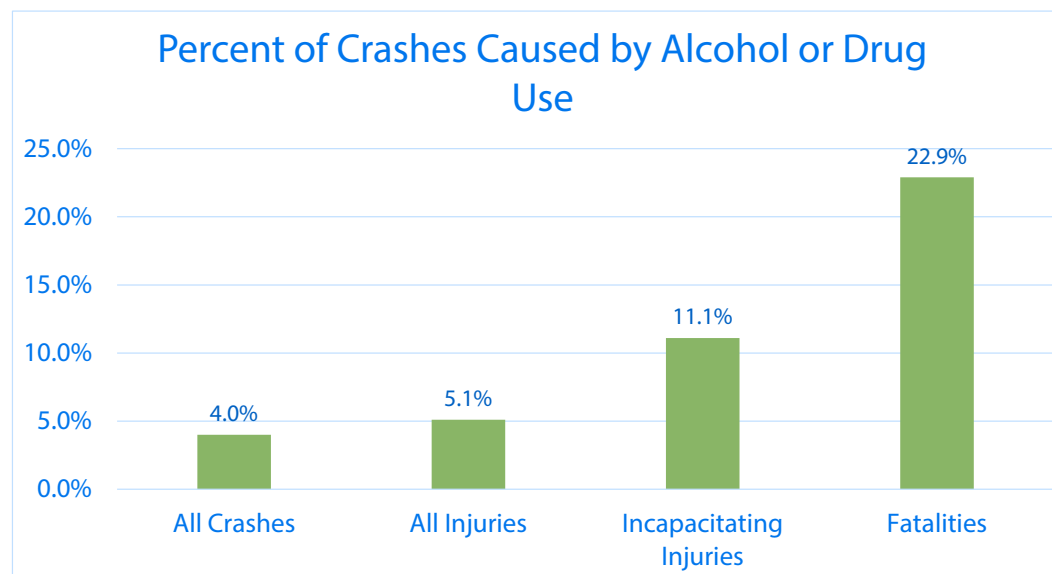
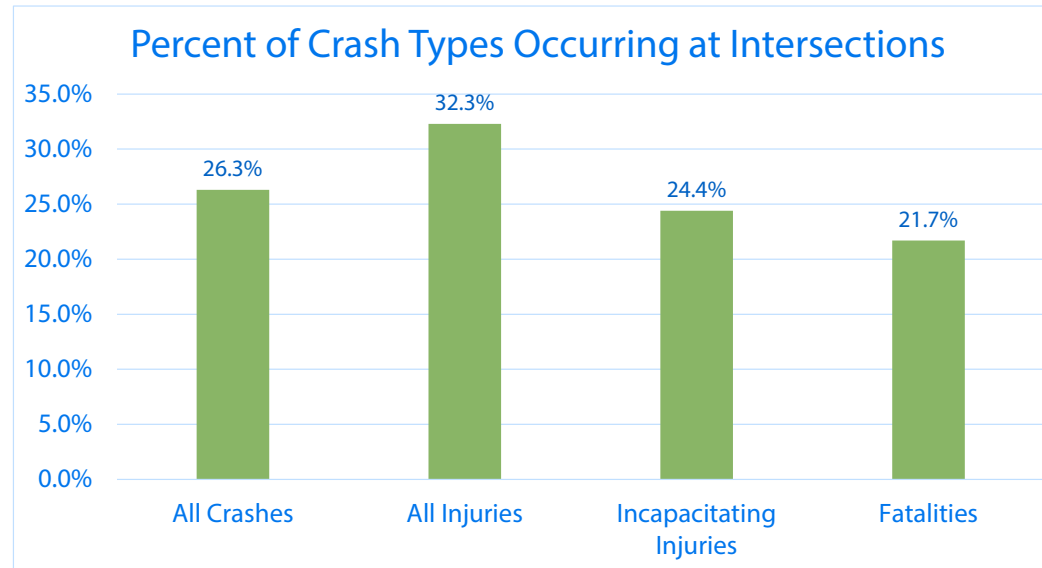


# SAFETY



Source: TxDOT CRIS Database

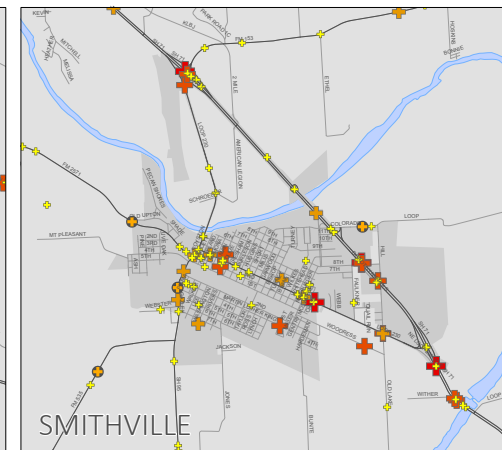
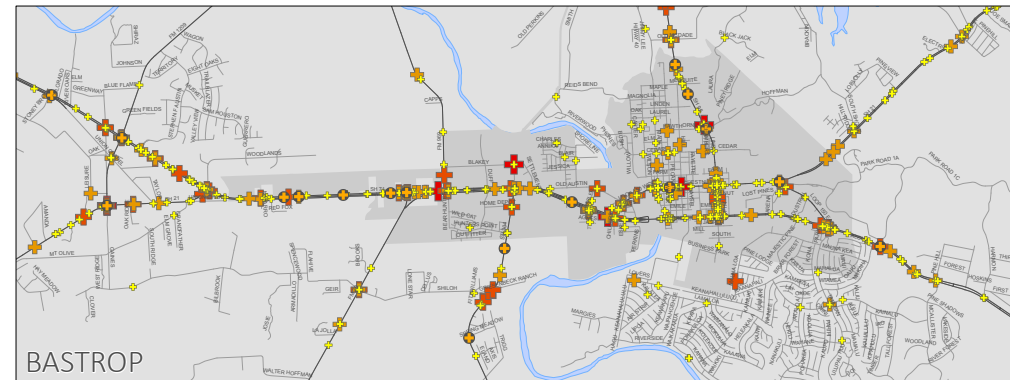
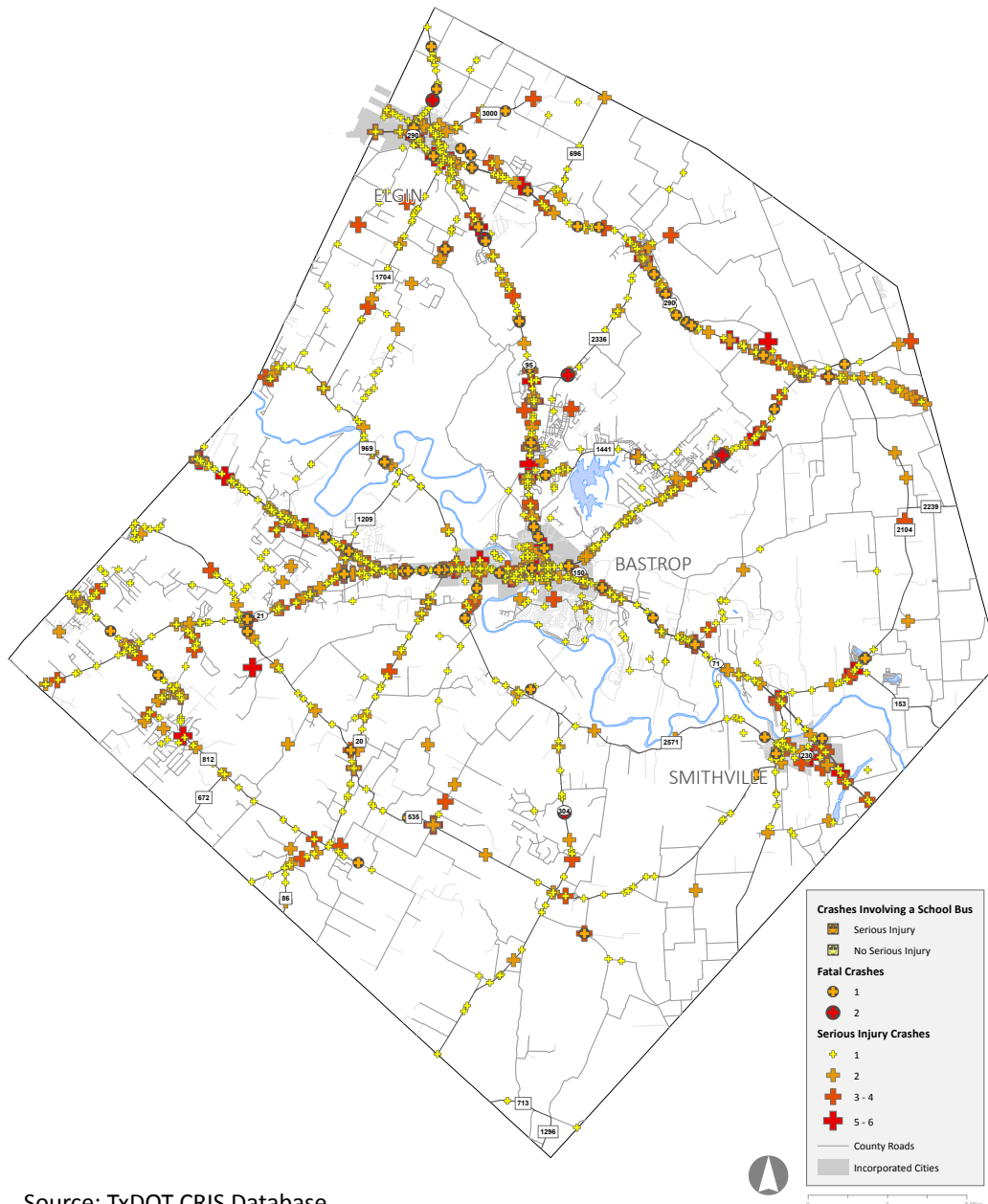
# SAFETY



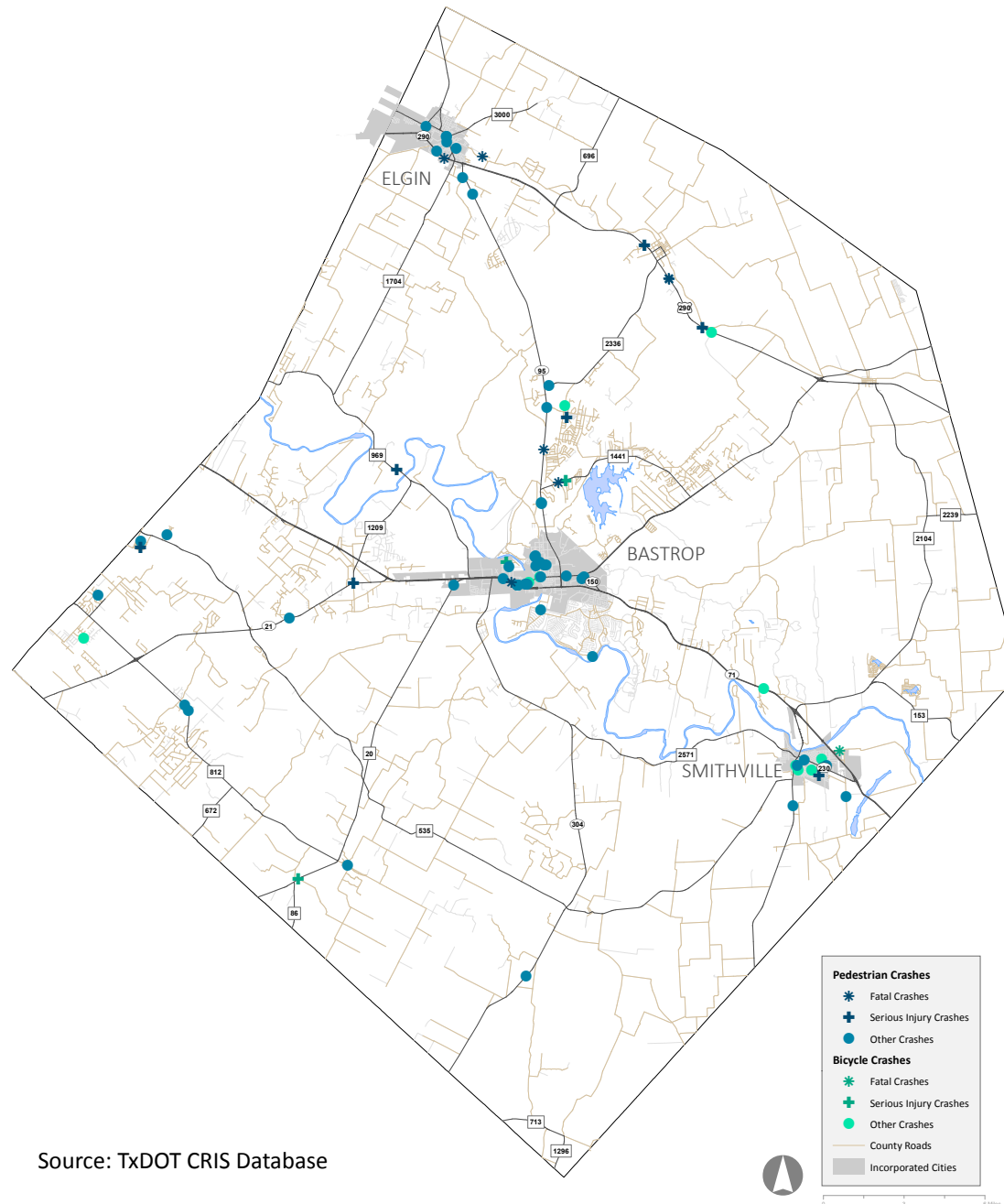


# ALL CRASHES

(INCLUDING FATALITIES, SERIOUS INJURIES & SCHOOL BUS CRASHES)



# BICYCLE AND PEDESTRIAN CRASHES



Source: TxDOT CRIS Database

# EXERCISE 3: IDENTIFYING NEEDS



- ▶ What are the needs of the Bastrop County transportation system?
- ▶ What roads or intersections have safety concerns?
- ▶ What areas have congestion problems?
- ▶ What areas are difficult for emergency response services to access?
- ▶ Where are bicycle and pedestrian amenities needed?



# GOALS



## Common themes from previous plans

- **Safety**
- **Connectivity and Accessibility**
- **Preservation of Local Character**



### Safety

“Address and improve safety.” - *Bastrop County Comprehensive Transportation Plan*

“Promote development that creates a safe community now and in the future.”  
- *City of Elgin Comprehensive Plan*



### Connectivity and Accessibility

“Provide continuity of traffic flow within and between neighborhoods and throughout the community.”  
- *City of Bastrop Comprehensive Plan*

“Connect the community and region to ensure that all residents have access to safe and affordable modes of transportation.”  
- *City of Elgin Comprehensive Plan*



### Preservation of Local Character

“Provide for the increasing demand for transportation facilities while preserving and enhancing the attractiveness of the environment.” - *City of Bastrop Comprehensive Plan*

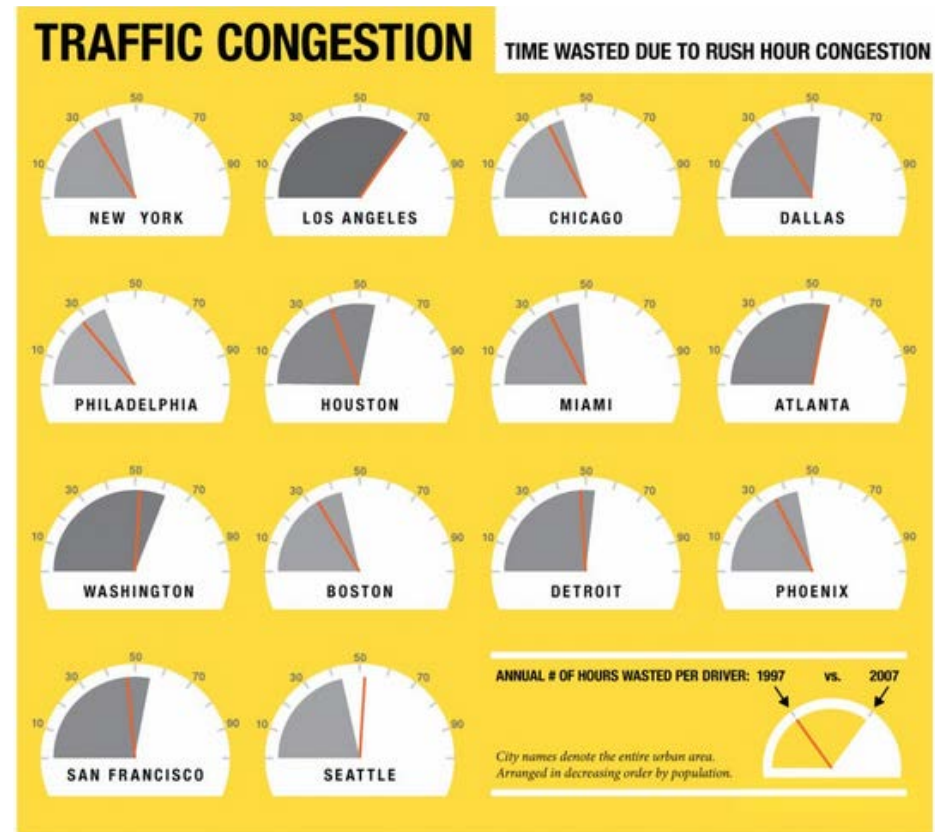
“Maintain a small-town sense of community while encouraging positive growth and continually improved standards of living.” - *City of Smithville Comprehensive Plan*

# PERFORMANCE MEASURES



## *what does success look like?*

- ▶ Performance measures summarize a diverse array of **quantitative data** about the transportation system.
- ▶ Setting targets for each measure helps planning authorities **gauge progress** towards goals and objectives.





# PERFORMANCE MEASURES



## *commonly used performance measures*

CATEGORY	METRIC
Mobility - Recurring Congestion	Travel Time (Vehicle Hours Traveled)
	Travel Time Index
	Hours of Delay (Total and Per Vehicle)
	Volume to Capacity Ratio (V/C Ratio)
	Level of Service (LOS)
	Average Speed
Mobility - Traffic Volume	Volume (Vehicles per Hour)
	Vehicle Miles Traveled (VMT)
	Percent of System Congested
Reliability - Non-Recurring Congestion	Buffer Index
	Planning Time Index
Safety	Crash Rate
Air Quality	Emissions

## EXERCISE 4: RANKING GOALS

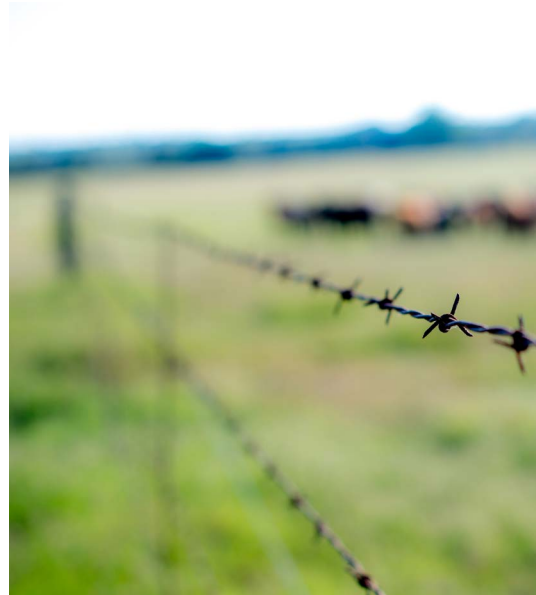


- ▶ Social Equity
- ▶ Safety
- ▶ Connectivity and Accessibility
- ▶ Affordability
- ▶ Coordination/ Support of Land Use
- ▶ Economic Development
- ▶ Congestion Reduction
- ▶ Preservation of Local Character
- ▶ Environmental Sensitivity
- ▶ Health
- ▶ Cost Effectiveness
- ▶ Reliability
- ▶ Maintenance and Operations
- ▶ Multi-modality
- ▶ Non-motorized Transportation
- ▶ Sustainability

# CLOSING REMARKS



**Thank you for participating in tonight's meeting!**



For additional information and periodic updates on the development of the Bastrop County Transportation Plan, visit:

[planbastropcounty.org](http://planbastropcounty.org)



or



[facebook.com/bastropcountytransportationplan](https://facebook.com/bastropcountytransportationplan)

Or email your comments/questions to:

[BastropCountyTransportationPlan@emailatg.com](mailto:BastropCountyTransportationPlan@emailatg.com)