

# COMMISSIONERS COURT WORKSHOP

Decatur, Texas

August 15, 2016



North Central Texas Council of Governments

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# WISE COUNTY

# TRANSPORTATION PLAN

# WELCOME + INTRODUCTIONS

## **NCTCOG STAFF**

- ▶ Chris Reed, Senior Transportation Planner
- ▶ Kelli Schlicher, Transportation Planner
- ▶ Donald Parker, Transportation Planner

# PROJECT DATES + MILESTONES

Transportation Planning Process	Project Milestones	Anticipated Dates
STUDY FORMATION	<ul style="list-style-type: none"> <li>▶ CREATE STEERING COMMITTEE</li> <li>▶ SET PROJECT GOALS</li> </ul>	APRIL 2016
ISSUE IDENTIFICATION	<ul style="list-style-type: none"> <li>▶ IDENTIFY EXISTING DATA SOURCES</li> <li>▶ PRIORITIZE ISSUES</li> <li>▶ DEFINE COUNTY VISION</li> <li>▶ FINALIZE POLICY COMMITTEE STRUCTURE</li> </ul>	AUGUST 2016
TECHNICAL ANALYSIS	<ul style="list-style-type: none"> <li>▶ COMMUNITY OUTREACH</li> <li>▶ PRODUCE RECOMMENDATIONS AND ALTERNATIVES</li> </ul>	FEBRUARY 2017
PUBLIC REVIEW	<ul style="list-style-type: none"> <li>▶ COMMUNITY OUTREACH</li> <li>▶ REVIEW FINAL RECOMMENDATIONS</li> </ul>	MAY 2017
PLAN ADOPTION	<ul style="list-style-type: none"> <li>▶ BECOME AN ADVOCATE FOR THE PLAN</li> </ul>	AUGUST 2017

## **PROJECT PROGRESS REVIEW**

### **Study Formation**

- ▶ April 11, 2016 – Commissioners Court Kickoff Meeting
  - Issue Identification
  - Study Structure
  - County Vision

### **Issue Identification**

- ▶ June 13, 2016 – Commissioners Court Workshop
  - Study Structure
  - County Vision
- ▶ August 15, 2016 - Commissioners Court Workshop

# **FINALIZE ORGANIZATIONAL STRUCTURE**

## COMMITTEE CONFIGURATIONS

### Two-Committee Option

- ▶ Policy Committee and separate Technical Committee, both with defined membership.

### One-Committee Option

- ▶ Policy Committee with defined membership.
- ▶ No set Technical Committee; technical advice, input, and support provided by informal group.

**Policy Committee and technical group will meet simultaneously.**

# COMMITTEE MEMBERSHIP (DRAFT)

## POLICY COMMITTEE

<b>J.D. Clark</b>	Wise County Judge
Wise County	
<b>Danny White</b>	Precinct 1 Commissioner
Wise County	
<b>Kevin Burns</b>	Precinct 2 Commissioner
Wise County	
<b>Harry Lamance</b>	Precinct 3 Commissioner
Wise County	
<b>Gaylord Kennedy</b>	Precinct 4 Commissioner
Wise County	
<b>Chad Davis</b>	Wise County Engineer
Wise County	
<b>Thom Lambert</b>	
Decatur EDC	
<b>Kevin Holzbog</b>	Executive Director
Bridgeport EDC	
<b>Greg Arrington</b>	
City of Boyd	

## TECHNICAL GROUP

<b>Joshua Compton</b>	
City of Boyd	
<b>Sherry Lemon</b>	Wise County Clerk
Wise County	
<b>Amanda Knox</b>	Co-Clerk Chief Deputy
Wise County	
<b>Thomas Aaberg</b>	
Wise County	
<b>Edrean Cheng</b>	Area Engineer
TxDOT	
<b>Kevin Howell</b>	
TxDOT	
<b>Chris Reed</b>	Senior Transportation Plan
NCTCOG	
<b>Kelli Schicher</b>	Transportation Planner
NCTCOG	

Source: Derived from the attendance records for the April 11, 2016 and June 13, 2016 Commissioners Court Workshops.

# **TRANSIT COORDINATION + UPDATE**

## EXISTING TRANSIT SERVICE

Current Service Level

### Social Service Transportation

- Need-based, few people traveling
- Limits on where and when people travel
- Provided by non-profits, volunteers
- Limited local investment
- WCCOA, Medicaid transportation through HHSC

### Limited Public Transportation

- Need-focused public transportation service
- Trip-by-trip scheduling with daytime service, some limits on travel
- Provided by small transit agencies or large non-profits
- Some local investment
- TAPS, PTS

Commuter Service

## ACCESS NORTH TEXAS

Purpose: Identify transportation challenges faced by older adults, people with disabilities, and low-income individuals.

Access North Texas Kick-Off Meeting  
Fort Worth Intermodal Transportation Center (ITC)  
Friday, August 19<sup>th</sup>  
10:00 – 11:30 AM

A community outreach meeting will be hosted in Wise County in early 2017. Updates are posted on [AccessNorthTexas.org](http://AccessNorthTexas.org).



## MAINTAIN OR GROW TRANSIT SERVICE

### General public Bus Transit Service

- Serves entire population
- Service tailored to local needs and land use
- Can include contracts for express buses, local routes, regional connections
- Large local investment
- DART, DCTA, FWTA

### Rail Service

- Serves specific corridors within the community
- Land use tailored to transit service
- Service provided through coordination of many agencies
- Significant local investment
- TRE, TEXRail



Commuter Service

# DEMOGRAPHIC ANALYSIS

## FUTURE VISION

### WHAT WILL WISE COUNTY LOOK LIKE?

#### Bedroom Communities?

- ▶ Predominantly residential, some employment
- ▶ Longer trips, directional traffic patterns

#### Regional Destinations?

- ▶ Focus on large employers, attractions, venues, etc.
- ▶ Traffic drawn into community

#### Adjacent but Distinct Communities?

- ▶ Mix of residential and employment
- ▶ Focus on shorter trips within county rather than longer commuting trips



## EFFECTS OF FUTURE VISION

### HOW SHOULD WE IMPROVE WISE COUNTY'S TRANSPORTATION INFRASTRUCTURE?

#### Bedroom Communities

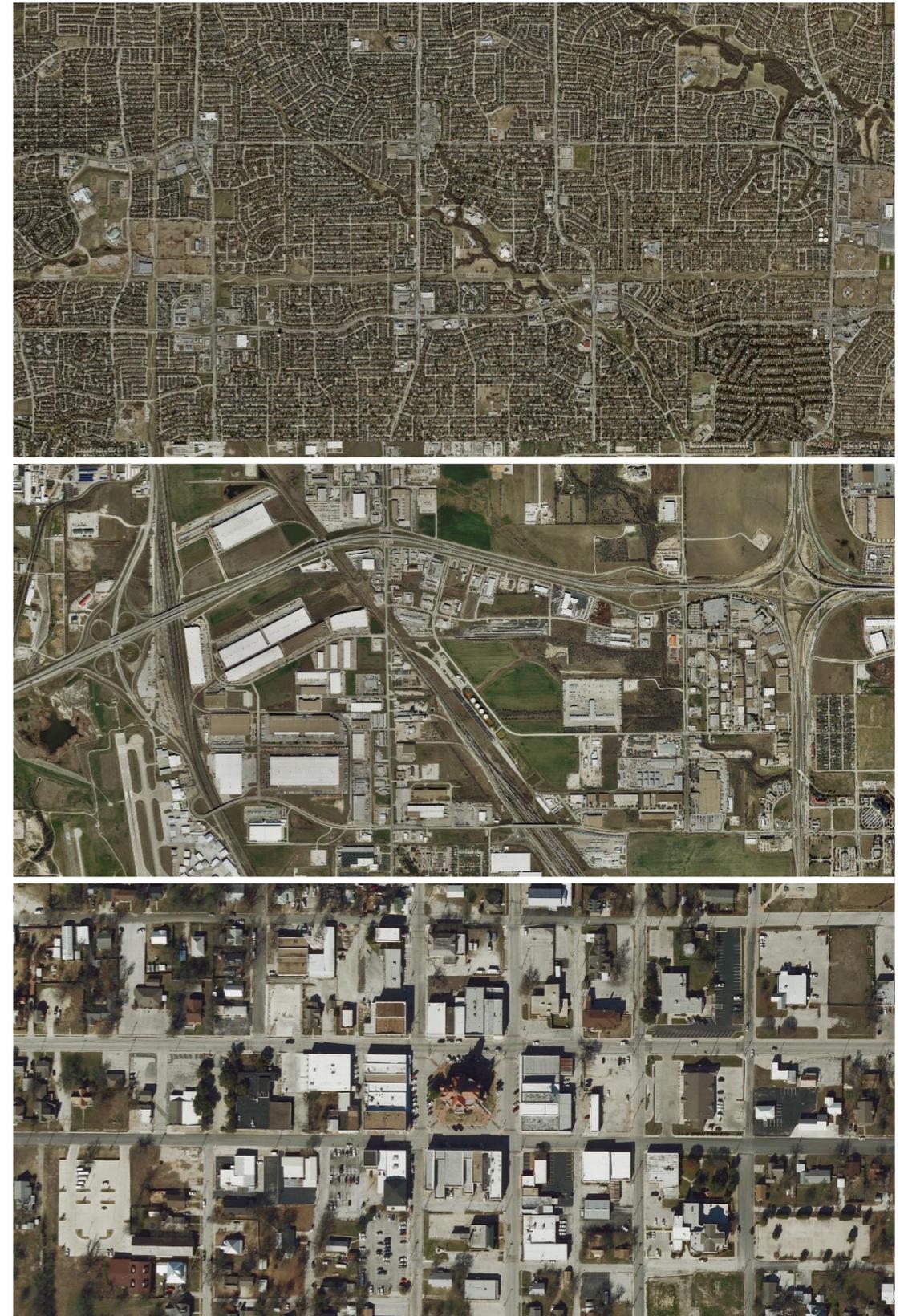
- ▶ Improve Regional Commuter Connectivity
- ▶ Robust Arterial Grids
- ▶ Commuter Buses
- ▶ Safety and Design Improvements for Local Roads

#### Regional Destinations

- ▶ Improve High-Capacity Internal Connectivity
- ▶ Improve Regional Highway Connections
- ▶ Vanpooling for Large Employment Centers

#### Adjacent but Distinct Communities

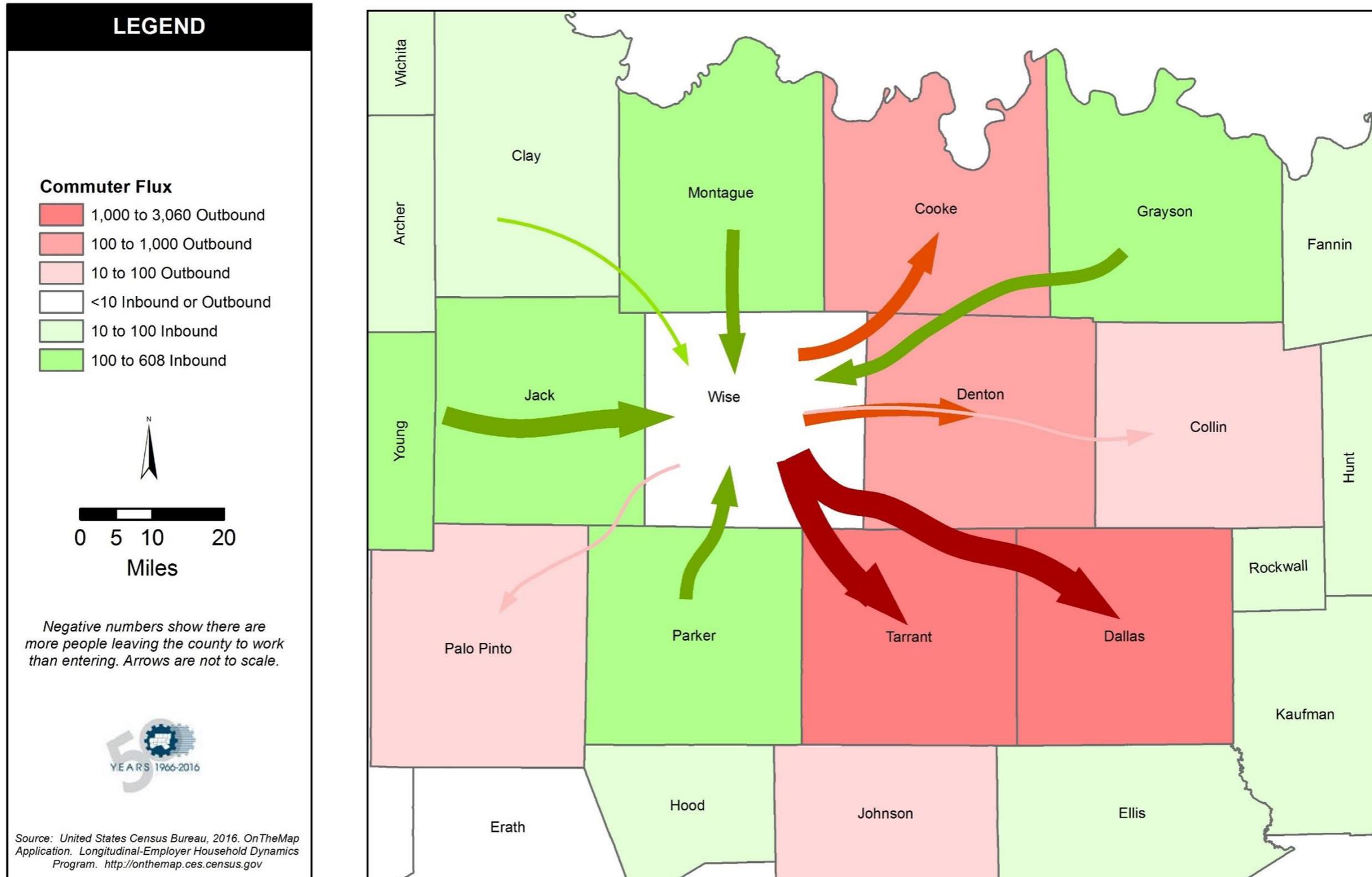
- ▶ Improve Intra-Community Connectivity
- ▶ Localized Pedestrian-Oriented Roadway and Intersection Improvements



Images were retrieved from NCTCOG Orthos

# WISE COUNTY NET COMMUTER FLUX

## NET DAILY COMMUTER FLOW FROM/TO OTHER COUNTIES



# INDUSTRY INFLOW/OUTFLOW

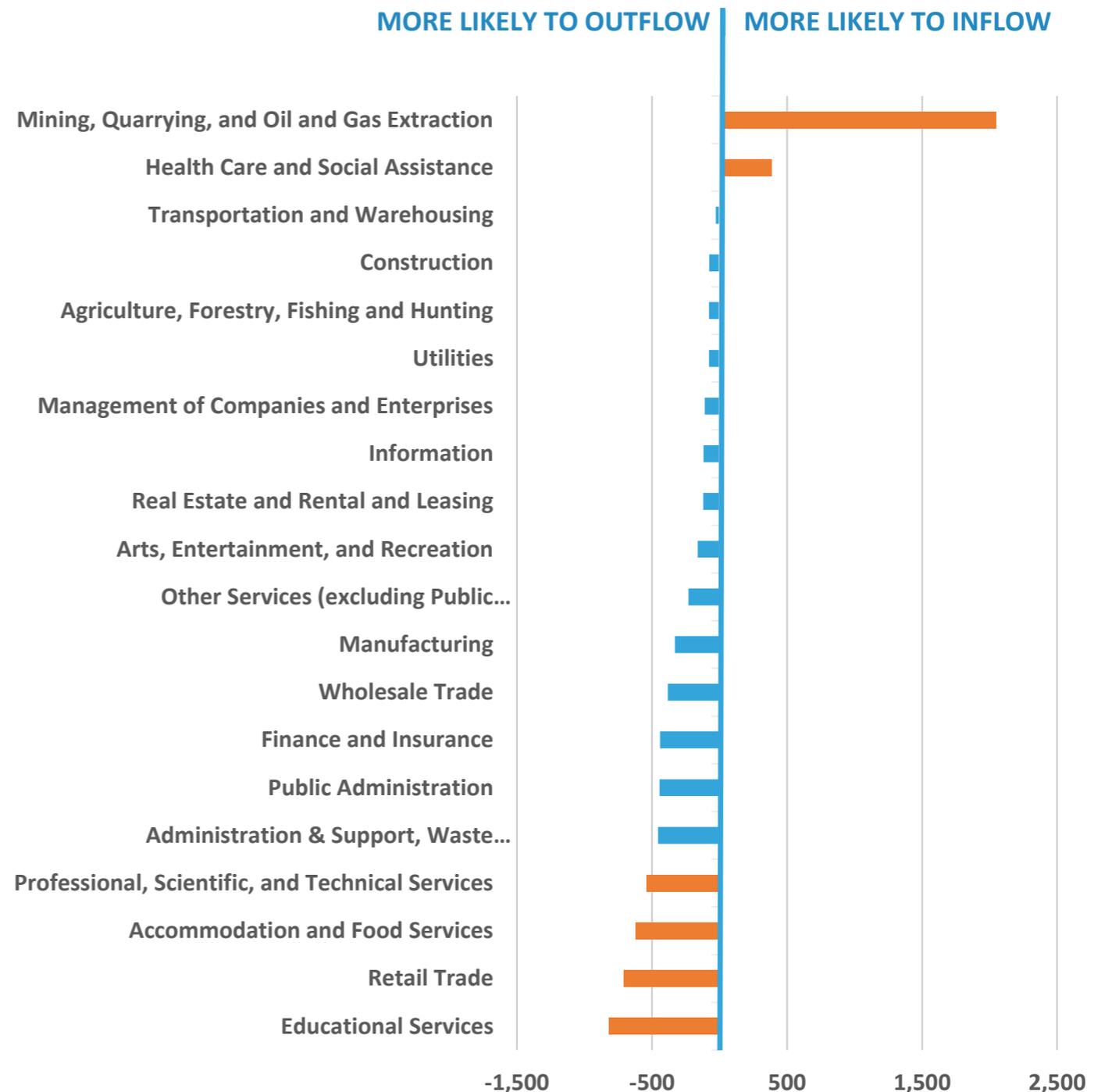
## WHICH INDUSTRIES IN WISE COUNTY ARE IMPORTING/EXPORTING WORKERS?

### Industries that bring workers from outside Wise County:

- ▶ Mining, Quarrying, and Oil/Gas Extraction
- ▶ Healthcare and Social Assistance

### Industries that lose workers to surrounding counties:

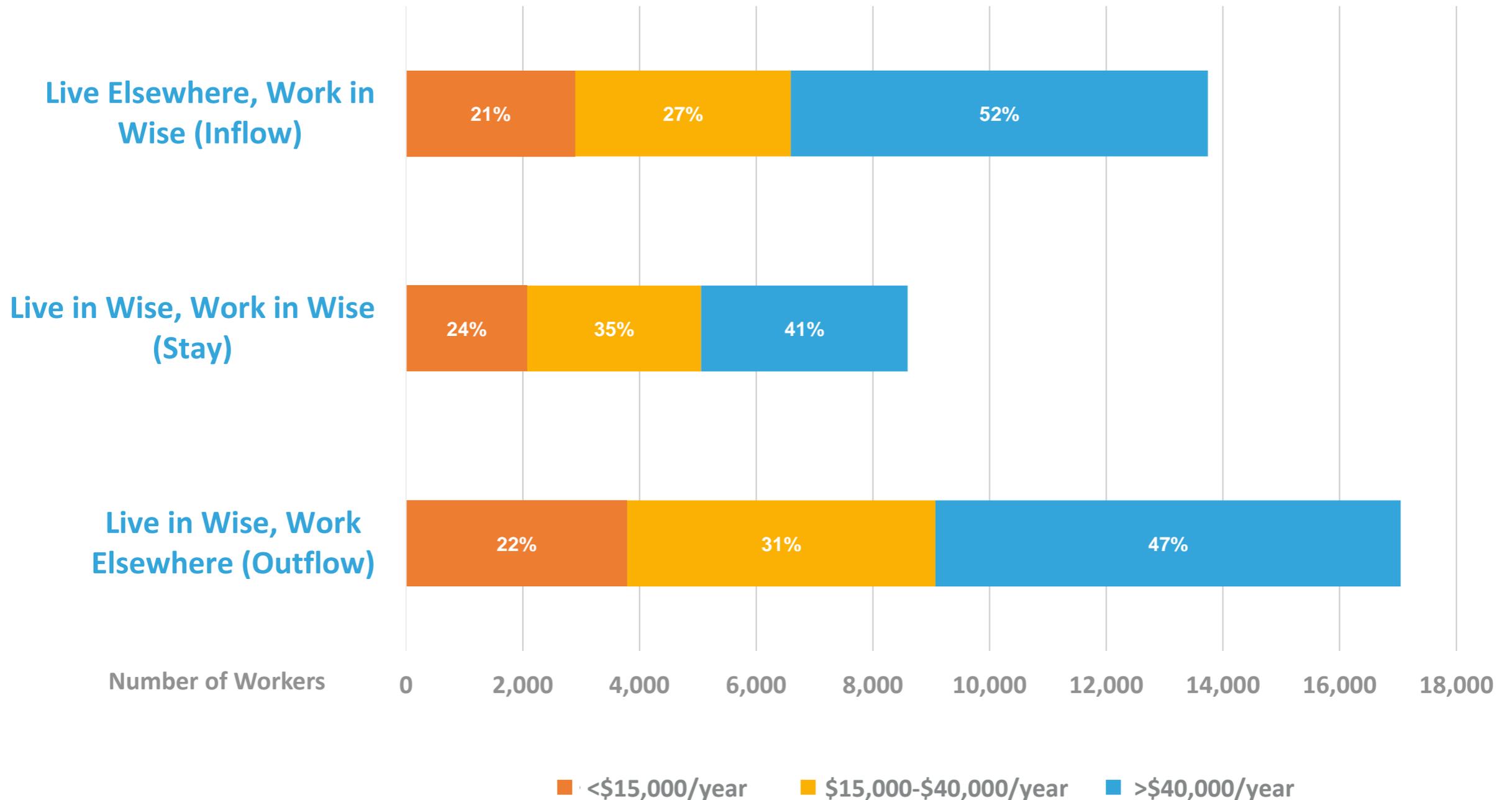
- ▶ Educational Services
- ▶ Retail Trade
- ▶ Accommodation and Food Service
- ▶ Professional, Scientific, and Technical Services



Note: Data is derived from subtracting the available jobs in each industry from the available workers in each industry that live in Wise County.  
 Source: US Census Bureau, OnTheMap Application and LEHD Origin-Destination Employment Statistics (Beginning of Quarter Employment, 2nd Quarter of 2002-2014).

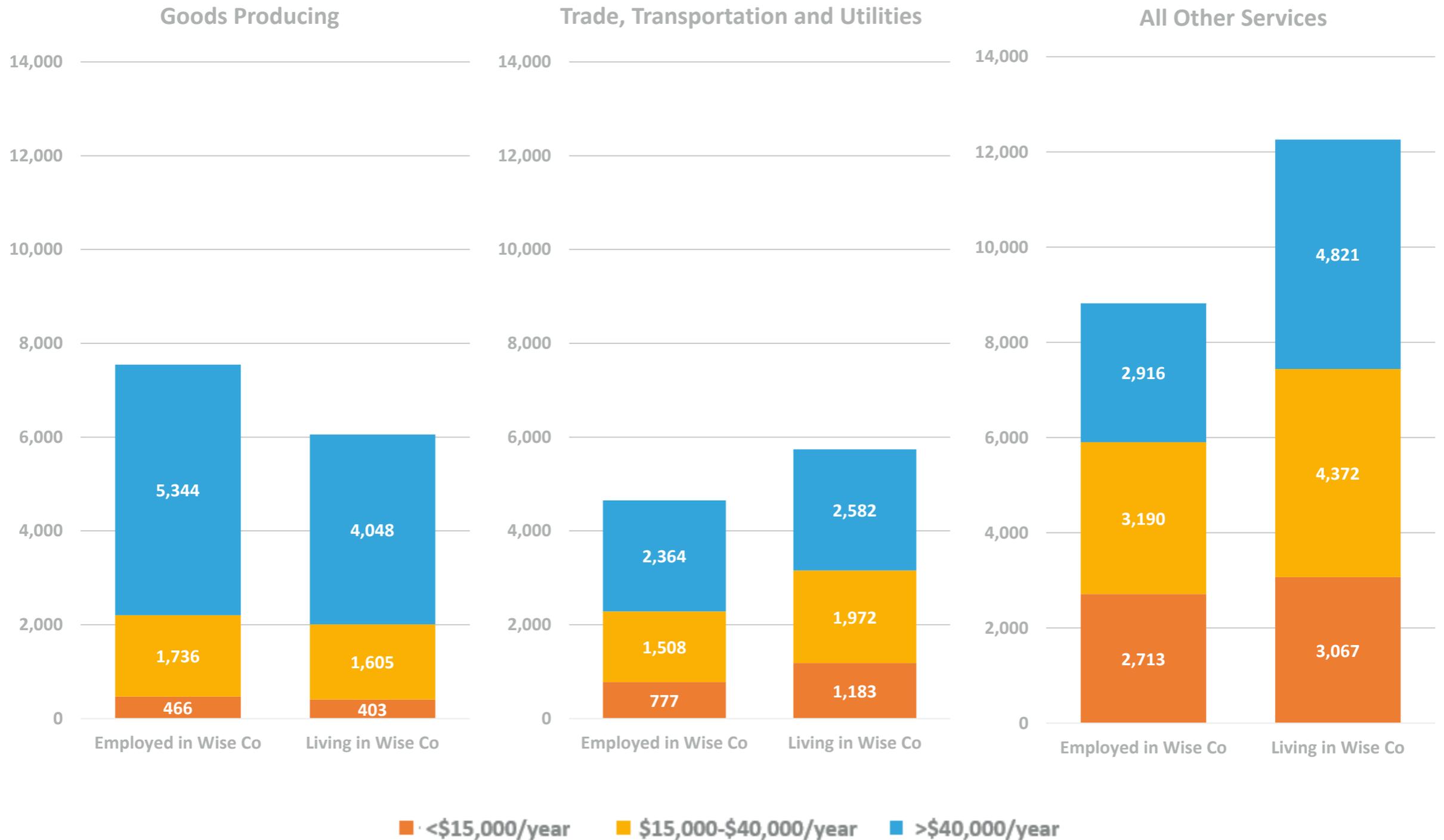
# INCOME DISTRIBUTION

## HOW DOES WORKERS' INCOME RELATE TO THEIR COMMUTING PATTERN?



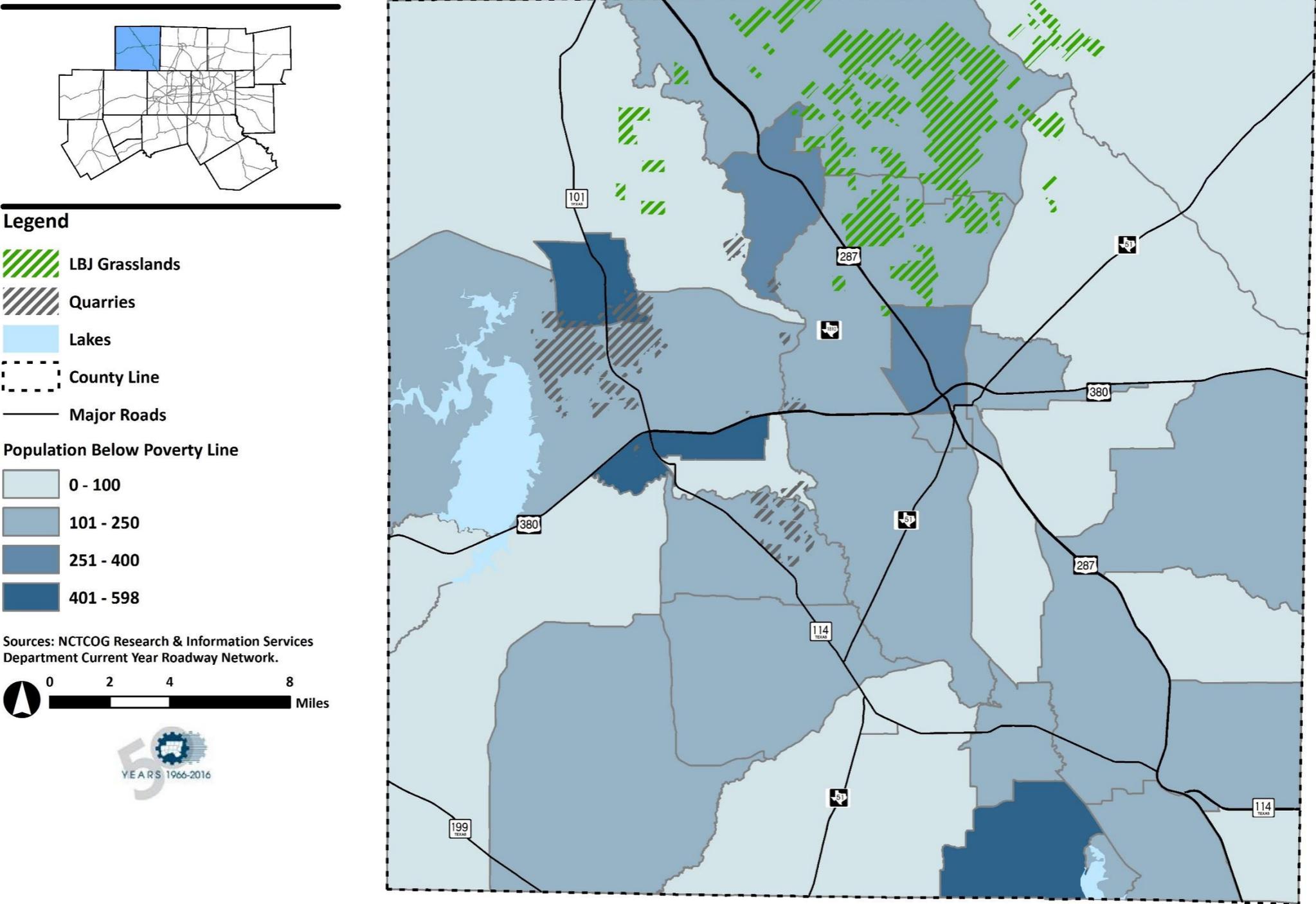
Source: US Census Bureau, OnTheMap Application and LEHD Origin-Destination Employment Statistics (Beginning of Quarter Employment, 2nd Quarter of 2002-2014).

# WAGES IN WISE COUNTY BY SECTOR



Source: US Census Bureau, OnTheMap Application and LEHD Origin-Destination Employment Statistics (Beginning of Quarter Employment, 2nd Quarter of 2002-2014).

# POPULATION BELOW POVERTY LINE



# WISE COUNTY TRANSIT DEPENDENT POPULATIONS

## 2010-2014 American Community Survey

Population	Number	Percent of Total
Over 65	8,155	13.50%
Low-Income*	6,162	10.20%
Persons with Disability**	3,307	5.60%
Zero Car Households	472	2.30%
<b>Total Population</b>	<b>60,413</b>	

\*2008-2012 American Community Survey 5-Year Estimate compared to 2010-2014 American Community Survey 5-year estimate of Population for whom poverty status is determined (less than 100% of the poverty line)

\*\*2008-2010 American Community Survey 3-Year Estimate

## HISTORIC TRENDS

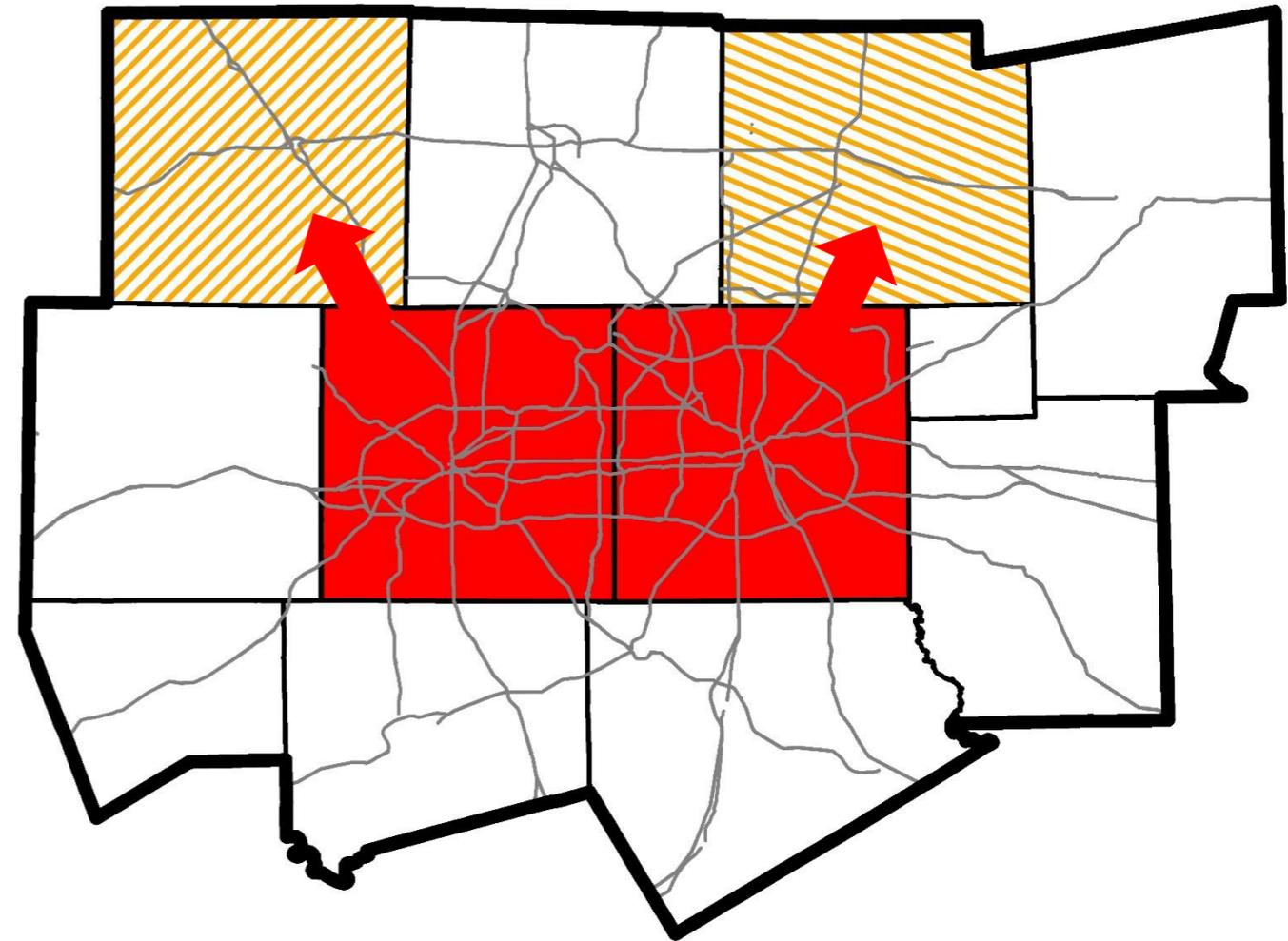
### A COMPARISON BETWEEN WISE COUNTY AND COLLIN COUNTY

#### Spatial Similarities

- ▶ Collin and Wise counties have a similar proximity to their respective urbanized neighbors, Dallas and Tarrant counties.
- ▶ Residential development is following a similar pattern as urban growth continues outward from Dallas and Fort Worth.

#### Demographic Similarities

- ▶ Collin and Wise counties shared similar demographic trends prior to Collin County's rapid urbanization.



## HISTORIC TRENDS (CONTINUED)

### WHEN DID COLLIN COUNTY'S RAPID URBANIZATION BEGIN?

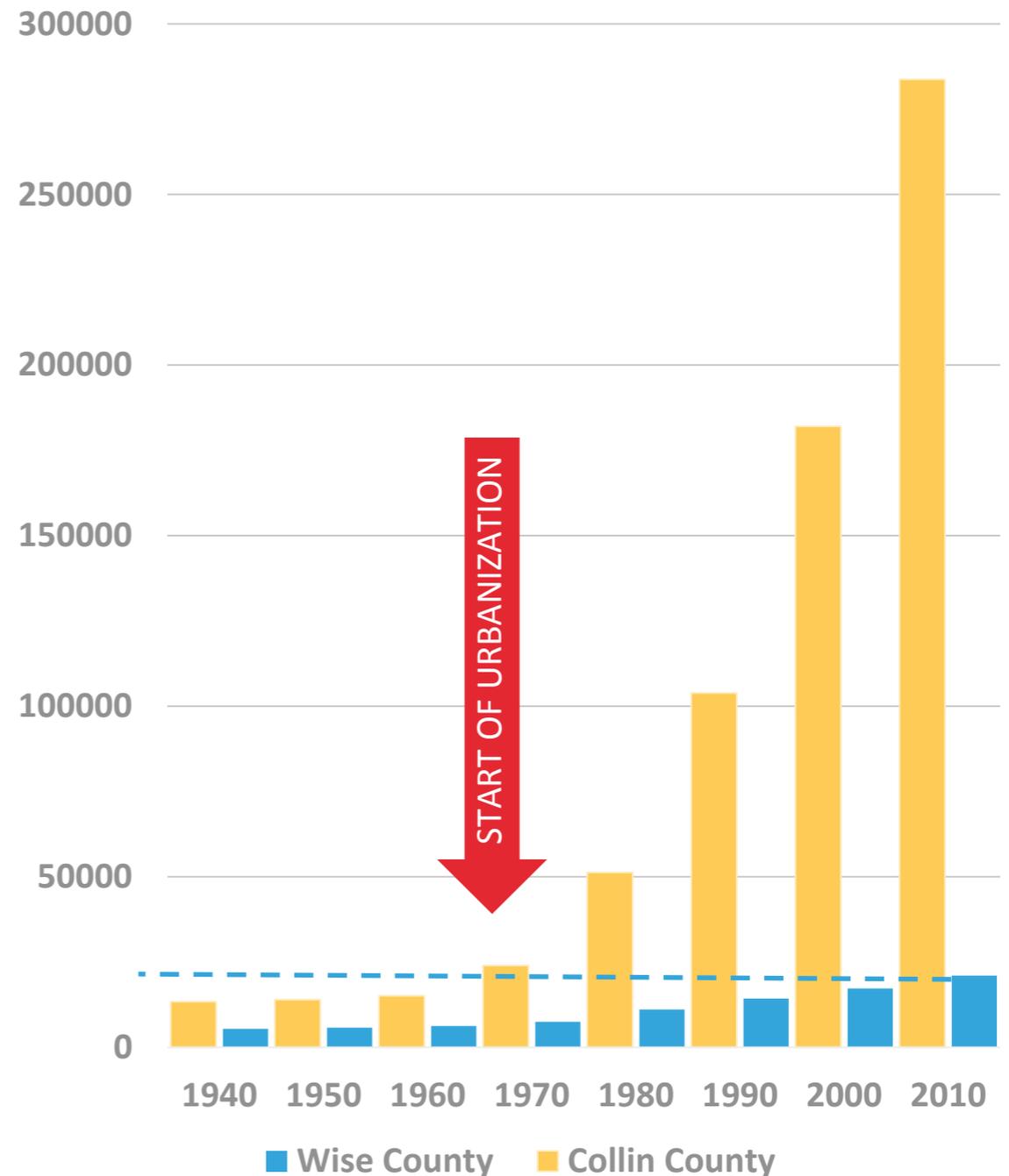
Collin County saw a 239% increase of households between 1960 and 1980.

- ▶ 1960: 15,080
- ▶ 1970: 23,945
- ▶ 1980: 51,164

Wise County's total number of households in 2010 was comparable to Collin County in 1970 just after the urbanization started.

- ▶ Wise County (2010): 21,015
- ▶ Collin County (1970): 23,945

Total Number of Households



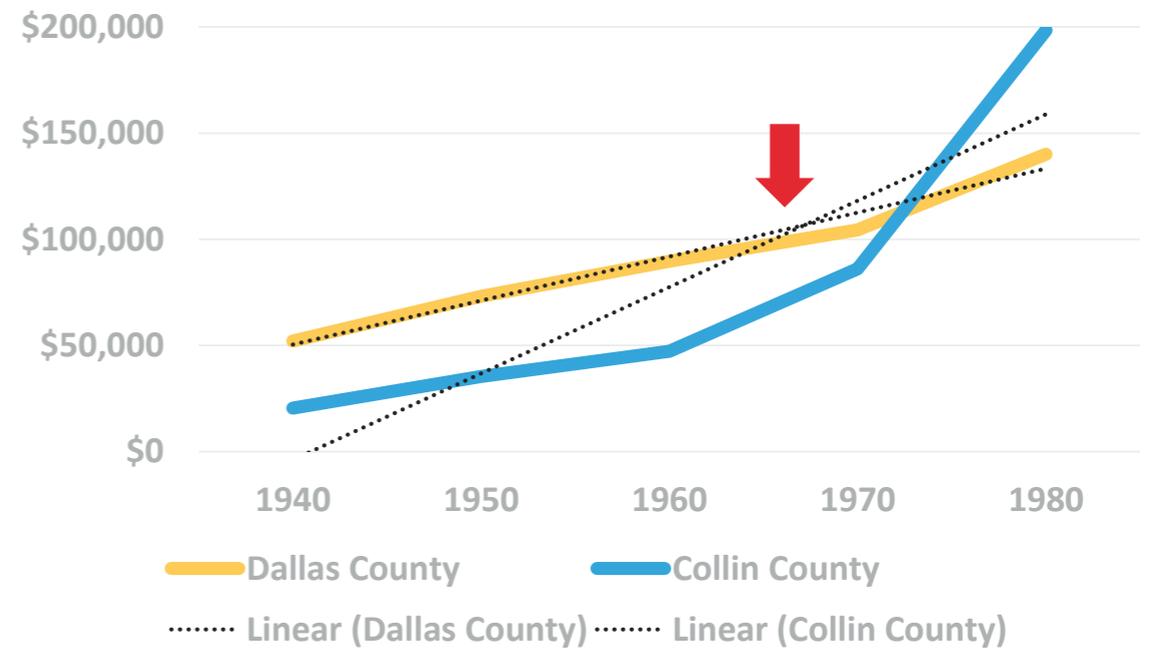
# HISTORIC TRENDS (MEDIAN HOUSEHOLD VALUE)

## WILL WISE COUNTY BE THE NEXT TO URBANIZE RAPIDLY?

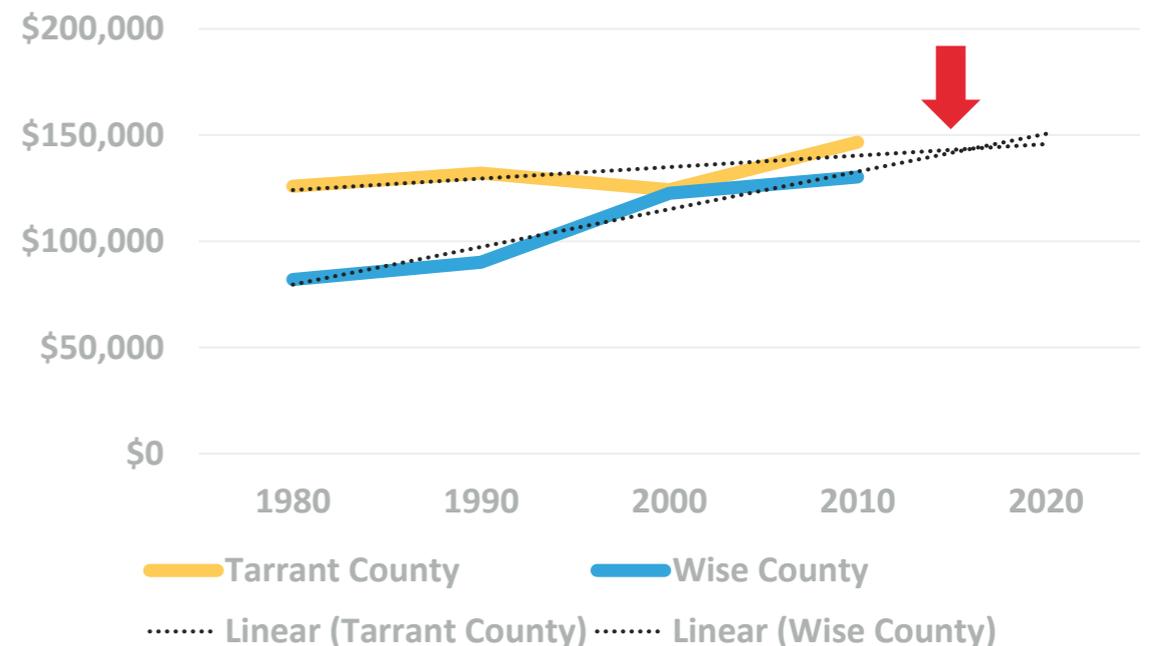
Collin County saw a spike in demand for high-value residences as a result of rapid urbanization from Dallas County.

Although more gradual, Wise County is experiencing the same precursor as a reaction to Tarrant County's rapid urbanization.

Collin and Dallas Counties



Wise and Tarrant Counties



Note: All values have been adjusted to 2015 values according to the Bureau of Labor Statistics to account for inflation.  
 Source: US Census Bureau; Census of Housing, General Housing Characteristics (1930-2010)

## HISTORIC TRENDS (CONTINUED)

### Collin County Growth Events

- ▶ Texas Instruments Opens – Start of Telecom Corridor (1957)
- ▶ North Central Expressway Extended to McKinney (1958)
- ▶ Dallas/Fort Worth Airport Opens (1974)
- ▶ Dallas North Tollway Extended to Frankford (1986)
- ▶ North Central Expressway Rebuilt (1988)
- ▶ Dallas North Tollway Extended to SH 121 (1994)
- ▶ President George Bush Turnpike (1998)
- ▶ Sam Rayburn Tollway (2006)
- ▶ Dallas North Tollway Extended to US 380 (2007)

### Wise County Growth Events

- ▶ IH 35W from IH 30 to SH 114 (1962)
- ▶ US 287 to Wise County Line (1970)
- ▶ Fort Worth Alliance Airport Opens (1989)
- ▶ SH 114 Rebuild from Southlake to Roanoke (2004)
- ▶ IH 35W NTE from IH 30 to IH 820 (Expected 2017)
- ▶ SH 114 – FM 157 Bottleneck Removal (Expected 2018)

# NEXT STEPS

## EFFECTS OF FUTURE VISION

### HOW SHOULD WE IMPROVE WISE COUNTY'S TRANSPORTATION INFRASTRUCTURE?

#### Bedroom Communities

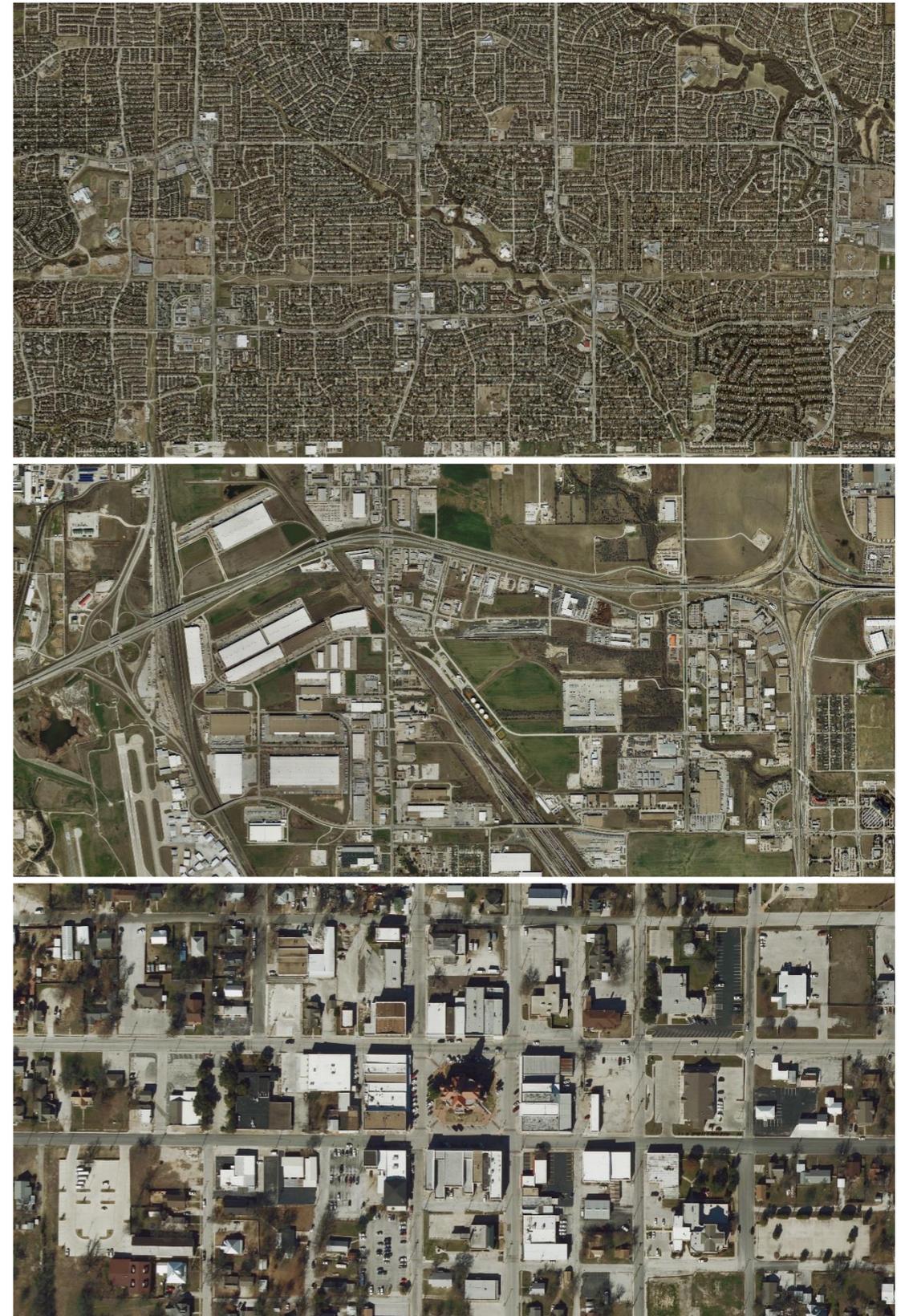
- ▶ Improve Regional Commuter Connectivity
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#### Regional Destinations

- ▶ Improve High-Capacity Internal Connectivity
- ▶ Improve Regional Highway Connections
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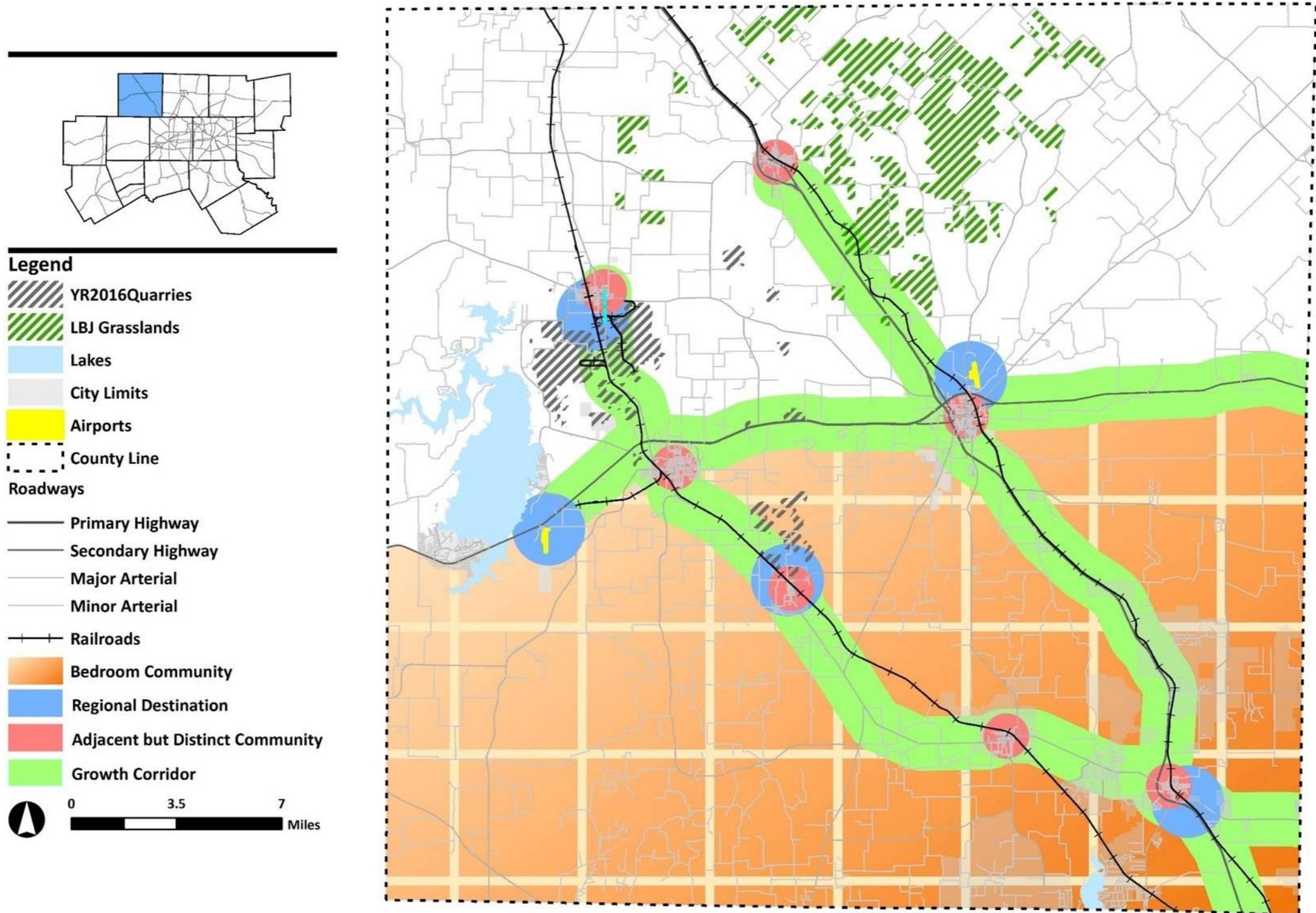
#### Adjacent but Distinct Communities

- ▶ Improve Intra-Community Connectivity
- ▶ Localized Pedestrian-Oriented Roadway and Intersection Improvements



Images were retrieved from NCTCOG Orthos

# COUNTY DEVELOPMENT TRENDS

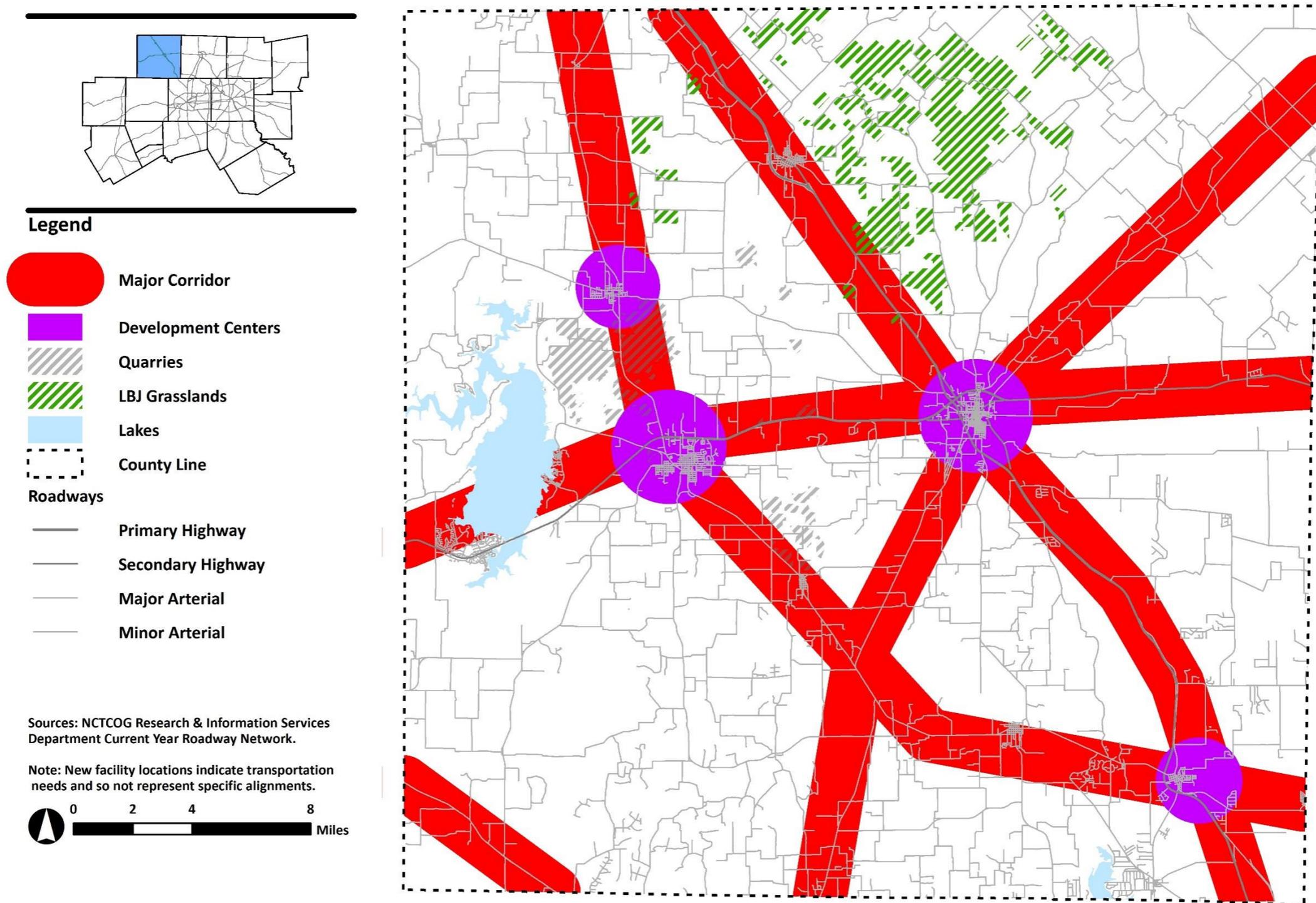


# TRANSPORTATION PLAN CONCEPTS

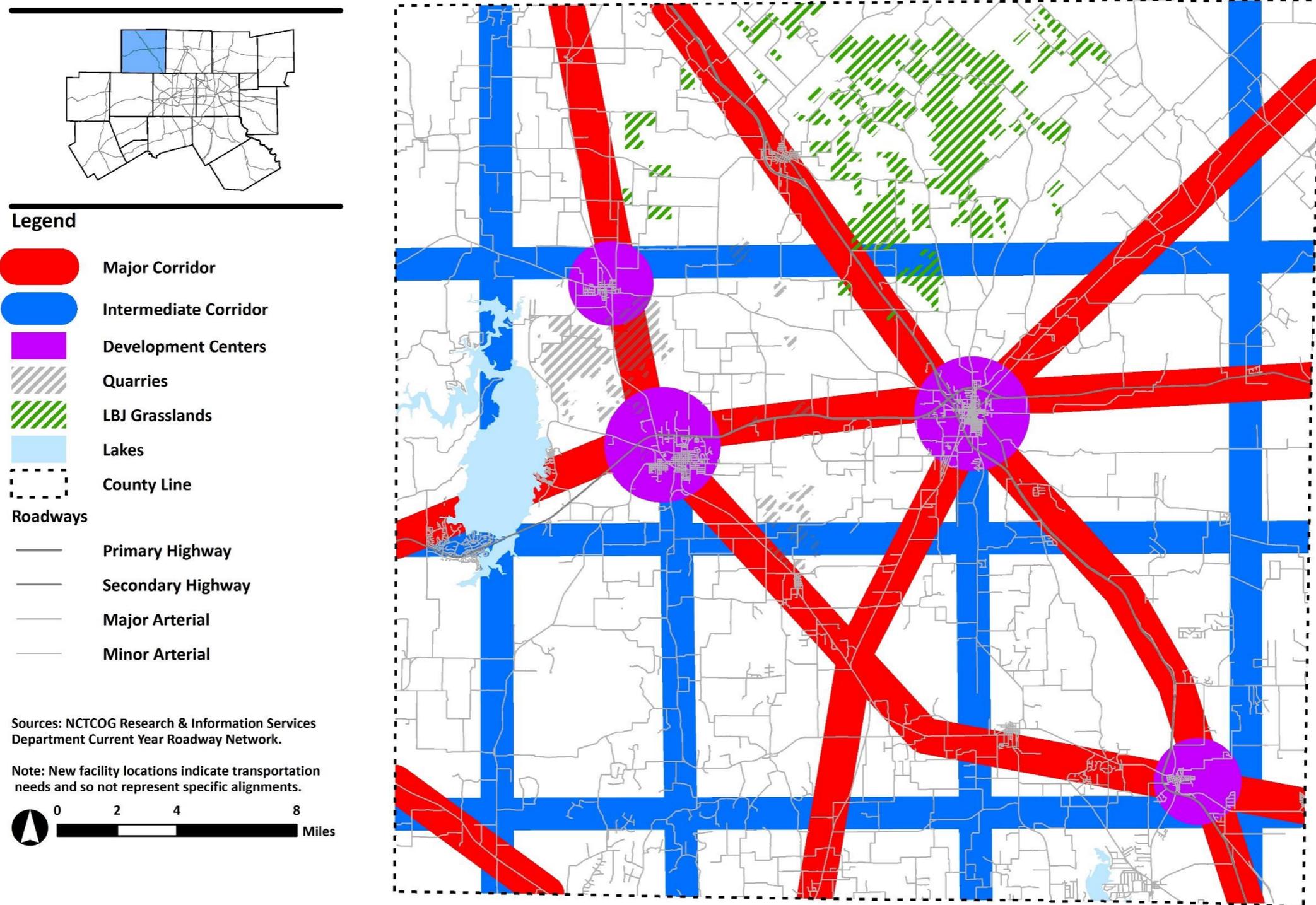
## Purpose and Need

- ▶ Help guide and focus planning direction.
- ▶ Resource allocation driven by mobility function and need.
- ▶ Policy Committee input integral in concept selection and application.
- ▶ Hybrid concepts can be applied as needed.

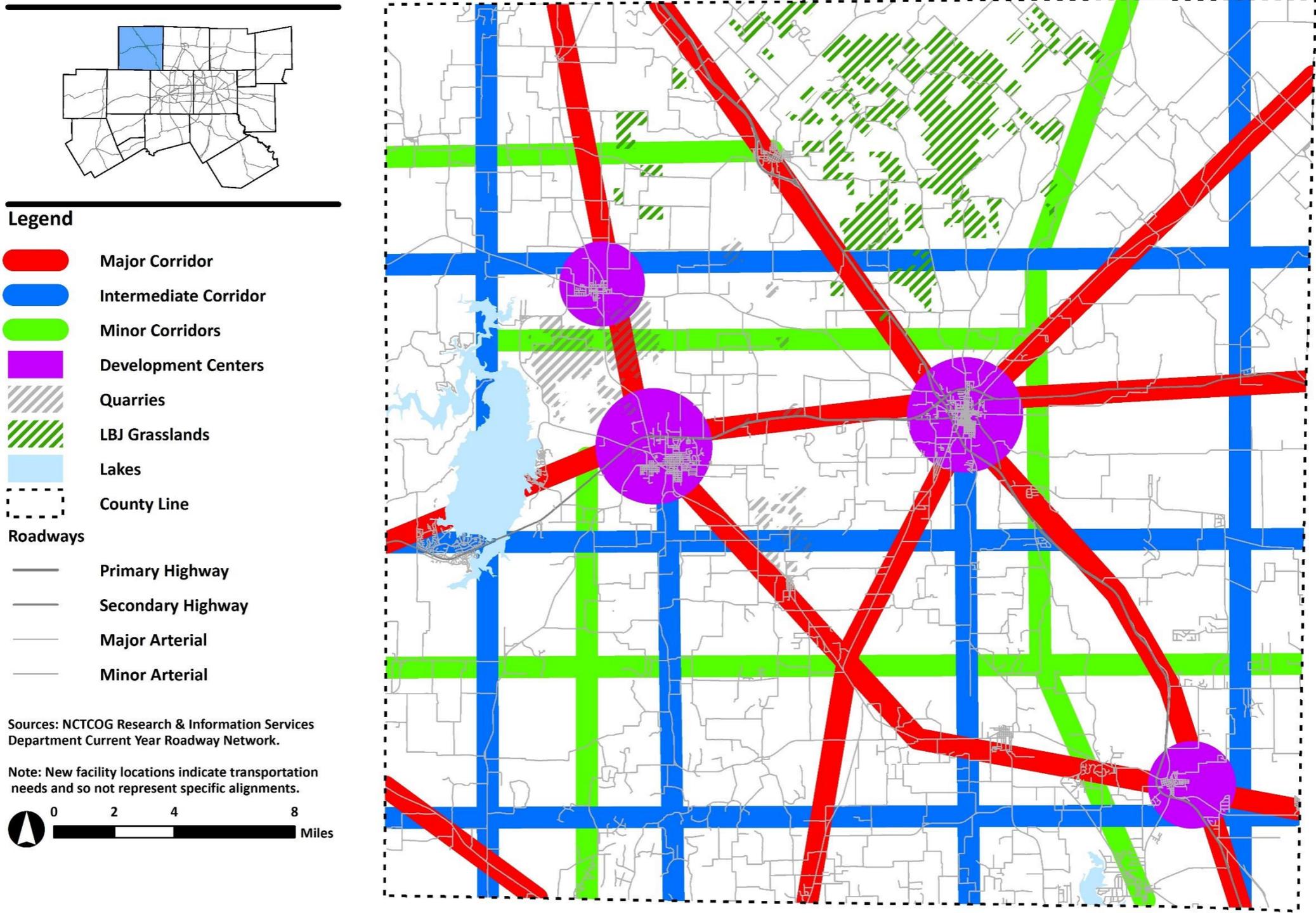
# CONCEPT 1: REGIONAL MOBILITY



# CONCEPT 2: INTRA-COUNTY MOBILITY



# CONCEPT 3: LOCAL MOBILITY



## TRANSPORTATION PLAN CONCEPTS (CONTINUED)

### Concept 1: Regional Mobility

- ▶ Planning focuses on regional movements that move traffic through the major development centers to other parts of the region.
- ▶ Regional movements are studied further, with resources allocated accordingly.

### Concept 2: Intra-County Mobility

- ▶ Planning addresses regional movements, as well as a select set of intra-county corridors.
- ▶ Regional and intra-county movements are studied further, with resources shared between the two.

### Concept 3: Local Mobility

- ▶ Planning addresses a wide range of mobility options.
- ▶ Regional, intra-county, and local movements are studied further, with resources spread move evenly across the county.

## WHAT NEXT?

**Continued coordination between Policy Committee and technical group.**

**Discuss avenues of city/community outreach and public involvement.**

**Transition into Technical Analysis phase of the planning process.**

**Develop recommendations for future transportation system improvements.**

- ▶ Address future transportation development.
- ▶ Review multimodal options and connectivity to regional transit system.
- ▶ Right-of-way/corridor preservation.
- ▶ Functional classification.

**Develop recommendations for implementation strategies.**

- ▶ Prioritize transportation plan improvements.
- ▶ Identify implementation strategies to guide transportation plan development.

## CONTACT INFORMATION

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## EXPANDED CONTACT INFORMATION

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### Chris Reed

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