

# 20<sup>th</sup> BUILDING PROFESSIONAL INSTITUTE

## Regional Transportation

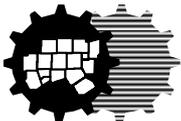


**University of Texas at Arlington**  
**May 21, 2012**

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**[www.nctcog.org/trans](http://www.nctcog.org/trans)**



**Voluntary association of local governments**

**Established in 1966**

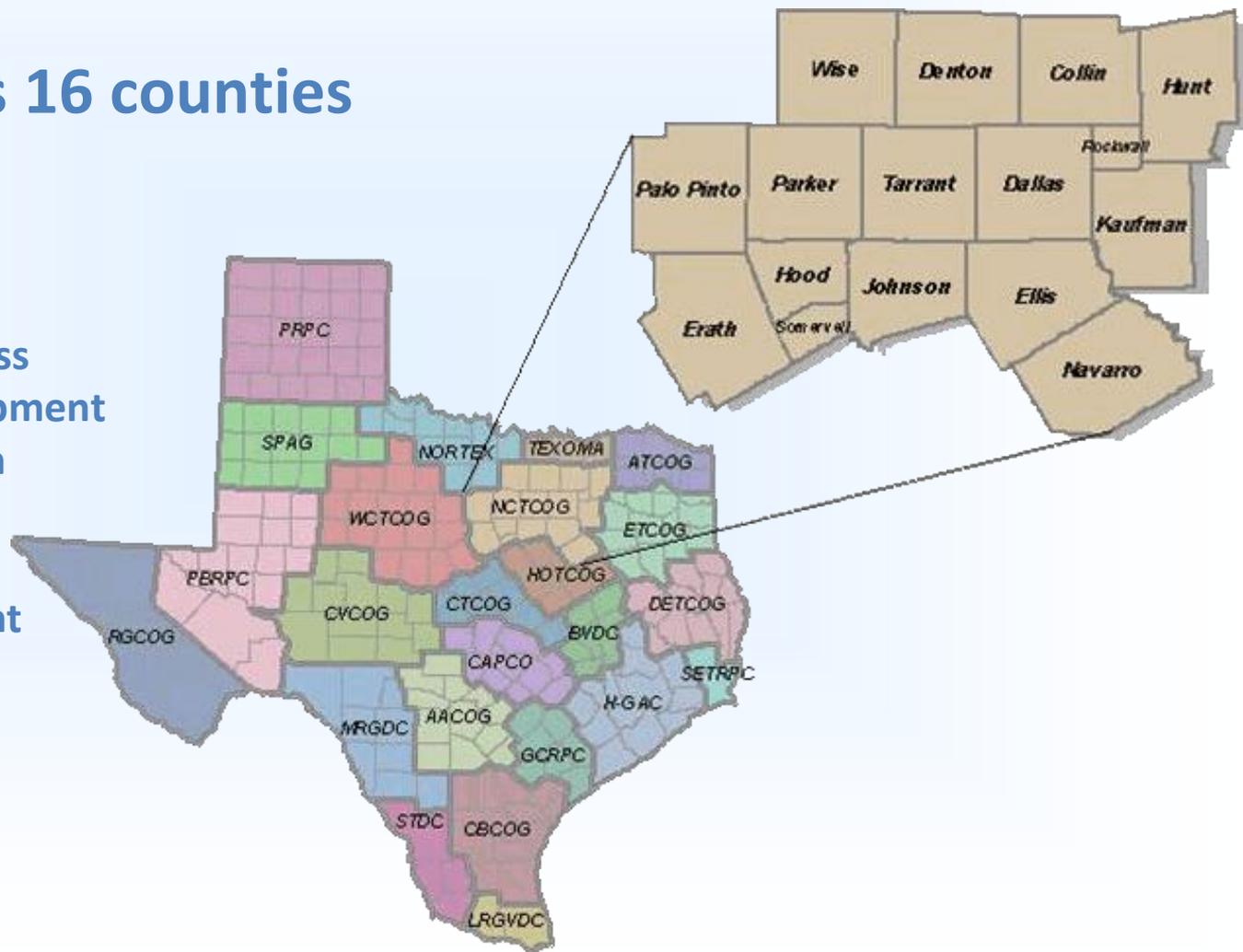
**Assists local governments in planning for common needs, cooperating for mutual benefit and coordinating for sound regional development**

**Strengthens individual and collective power of local governments by recognizing regional opportunities and eliminating unnecessary duplication**

NCTCOG serves 16 counties

### Departments:

- Community Services
- Emergency Preparedness
- Environment & Development
- Research & Information Services
- Transportation
- Workforce Development



## About the Transportation Department

**NCTCOG Transportation Department and Regional Transportation Council (RTC) form the Metropolitan Planning Organization (MPO) for the North Texas area**

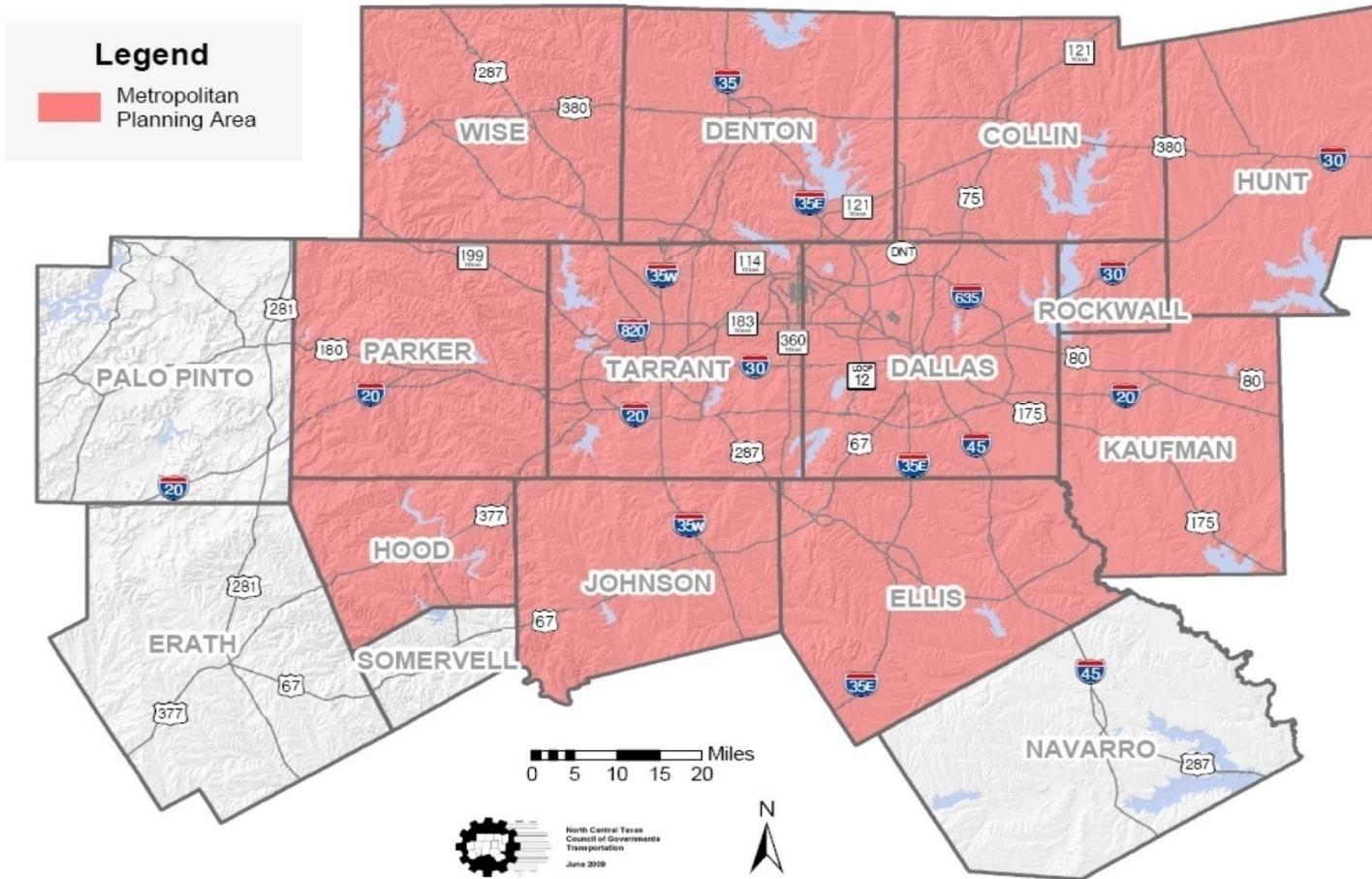
**Federally designated as the MPO in 1974**

**Work with transportation providers to address complex transportation needs of rapidly growing region**

**RTC, the 43-member independent transportation policy body of the MPO, oversees planning and allocates federal, state and regional funding**

# Dallas-Fort Worth

## Metropolitan Planning Area



# Regional Perspective

## Dallas-Fort Worth, Texas, USA

### 4th Largest Metropolitan Area in the United States

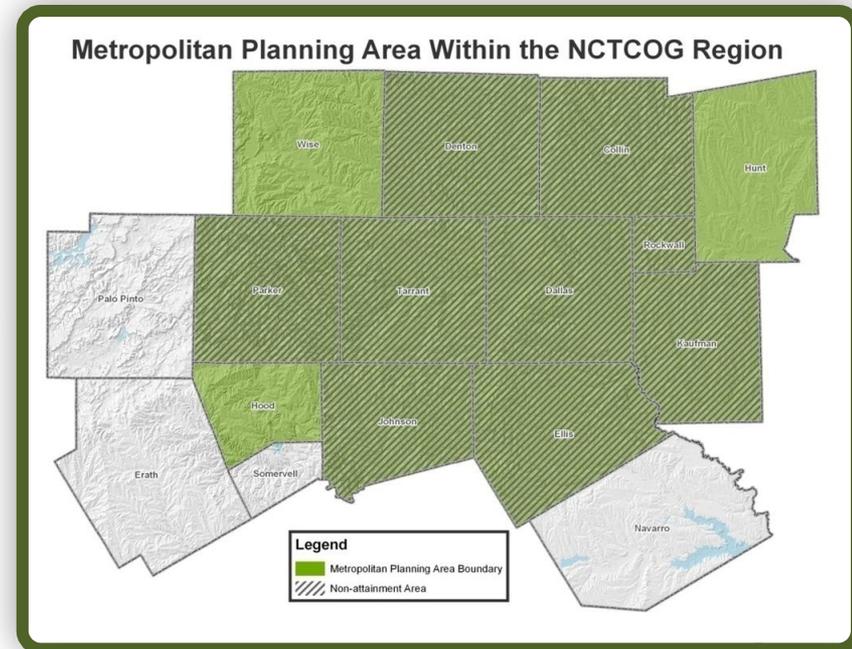
- Ranked 3rd in Population Growth Between 1990-2000 Adding Over 1 Million Persons
- Ranked first for Population Growth among U.S. Metropolitan Areas during 2009

### Represents Over 34 Percent of the State's Economy

- Larger than 35 States in Population
- Larger than 5 States in Land Area

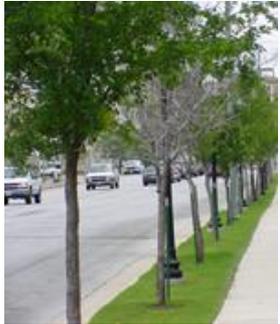
### 6.5 Million Persons in Year 2009

### Growing to 10 Million Persons by the Year 2035



# Metropolitan Transportation Planning

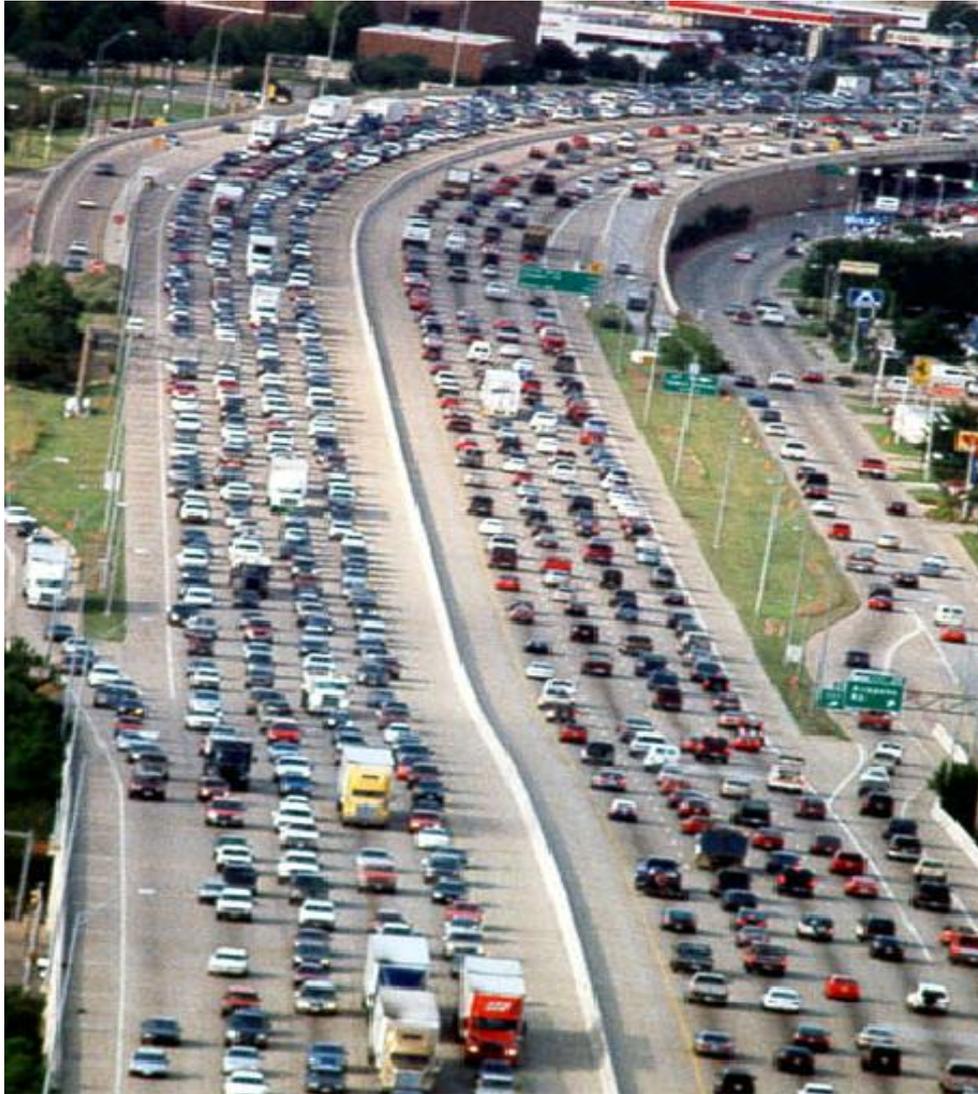
## Regional Plans and Programs



- Metropolitan Transportation Plan
- Transit Planning and Operations
- Sustainable Development/Land Use
- Bicycle/Pedestrian Planning
- Transportation Improvement Program
- Freight and Aviation Planning
- Public Involvement
- Unified Planning Work Program

# Metropolitan Transportation Planning

## Major Transportation Issues



**Dramatic growth in vehicle traffic**

**Increased travel time and costs**

**Nonattainment area for the  
pollutant ozone**

**No “regional” transit**

**Suburban sprawl**

**Lack of coordination in land use  
and transportation investments**

# Metropolitan Transportation Plan

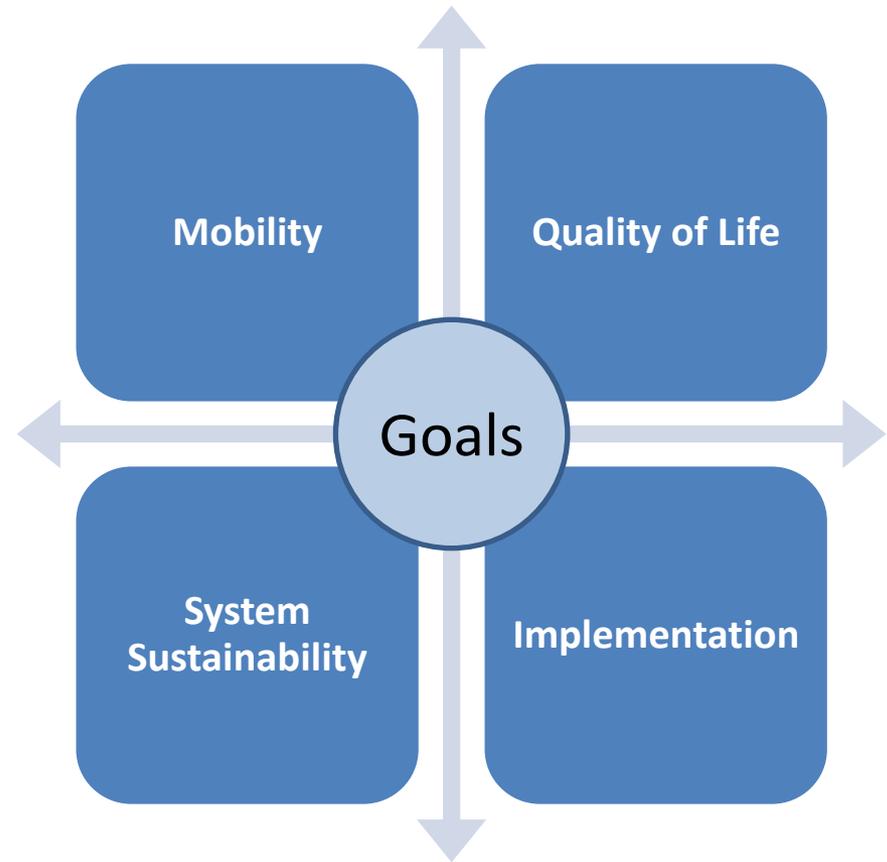
**Mobility 2035**

Represents a blueprint for a multimodal transportation system

Responds to goals

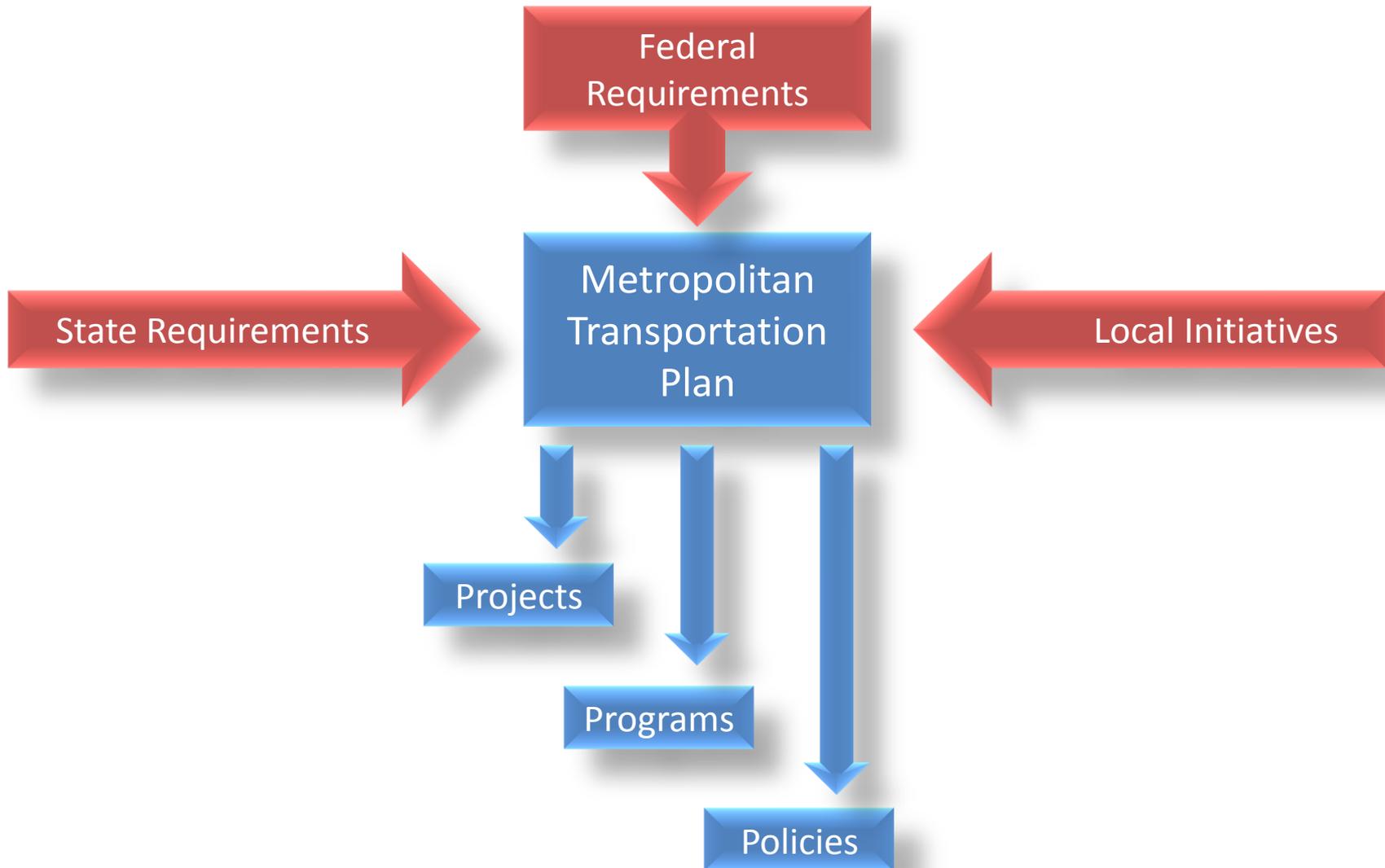
Identifies policies, programs, and projects for continued development

Guides expenditures for federal and State funds



# Metropolitan Transportation Plan

Cooperative Effort



# Metropolitan Transportation Plan

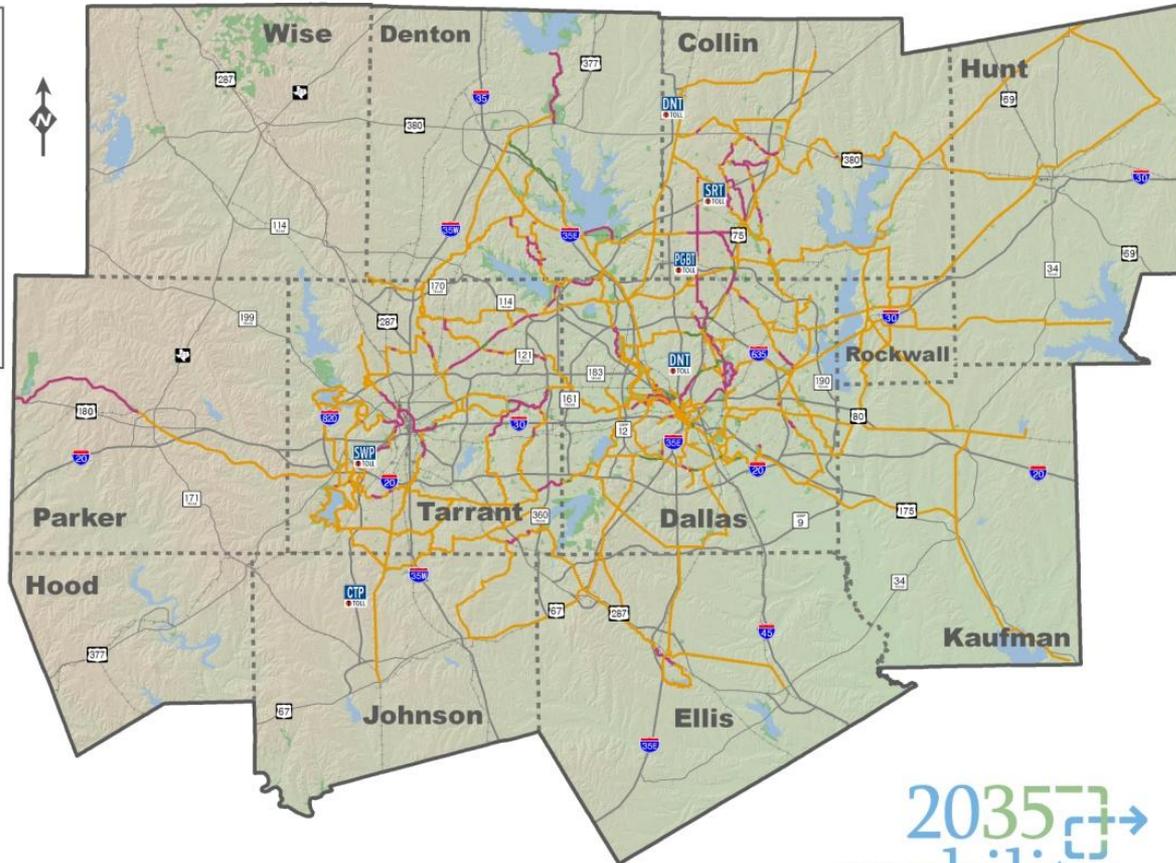
## Mobility 2035 Focus

### Major Policy Objectives

- Needs exceed available revenue
- Can't build our way out of congestion
- Maximize existing system
- Use sustainable development strategies to:
  - Reduce demand on transportation system
  - Provide multimodal options
- Emphasis on environmental aspects and quality of life issues of programs and projects
- Invest strategically in infrastructure

## Maximize Existing System

### Bicycle and Pedestrian Off-street Facilities

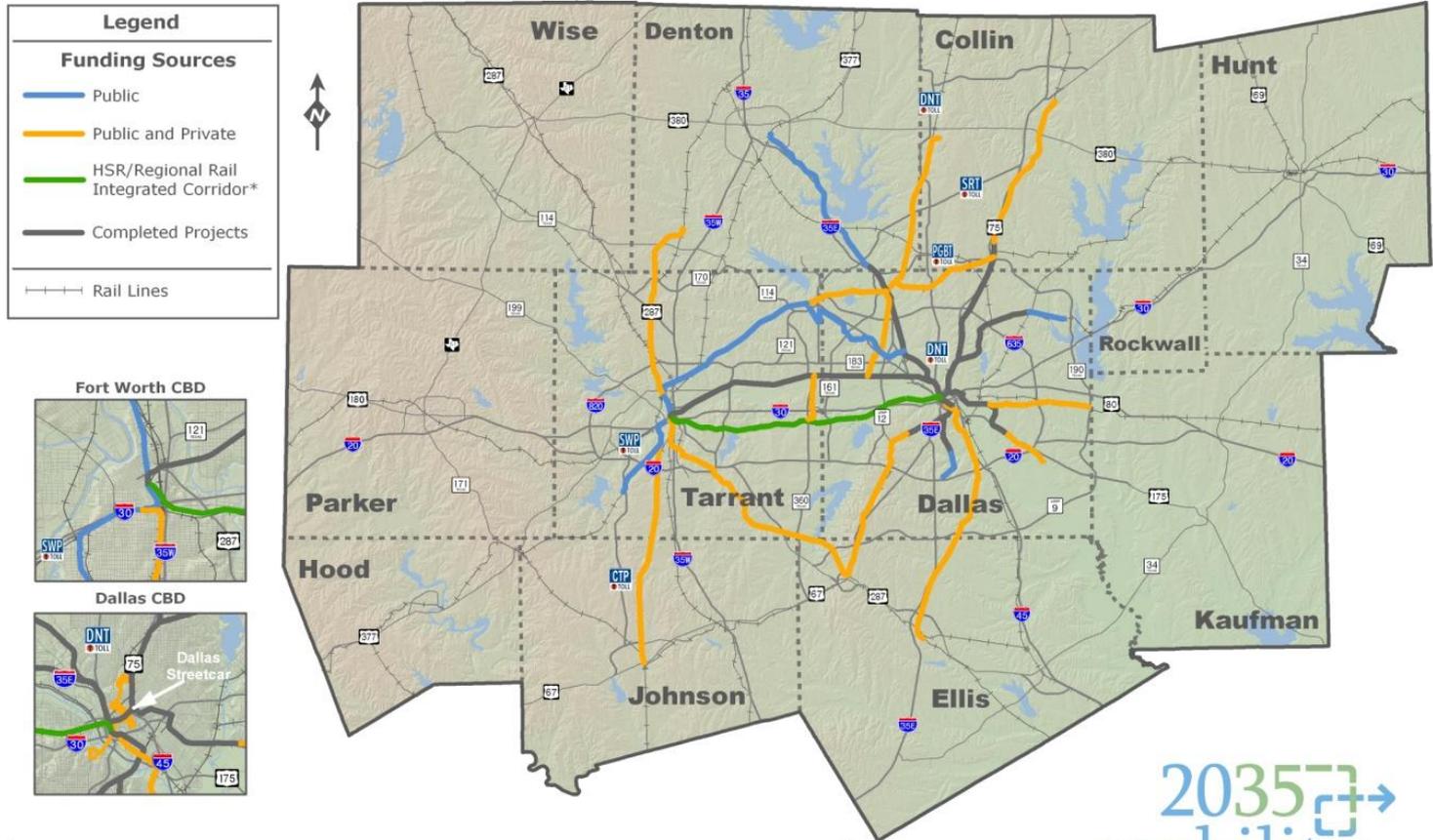


Facility recommendations indicate transportation need. Corridor specific alignment, design, and operational characteristics for the Regional Veloweb system will be determined through ongoing project development.

# Mobility 2035

## Strategic Infrastructure Investment

### Funded Recommendations Passenger Rail Improvements



Corridor specific alignment, design, and operational characteristics for the intercity passenger, regional passenger, and freight rail systems will be determined through capacity evaluation and ongoing project development. Refined rail forecasts are necessary to determine technology and alignment in future rail corridors.

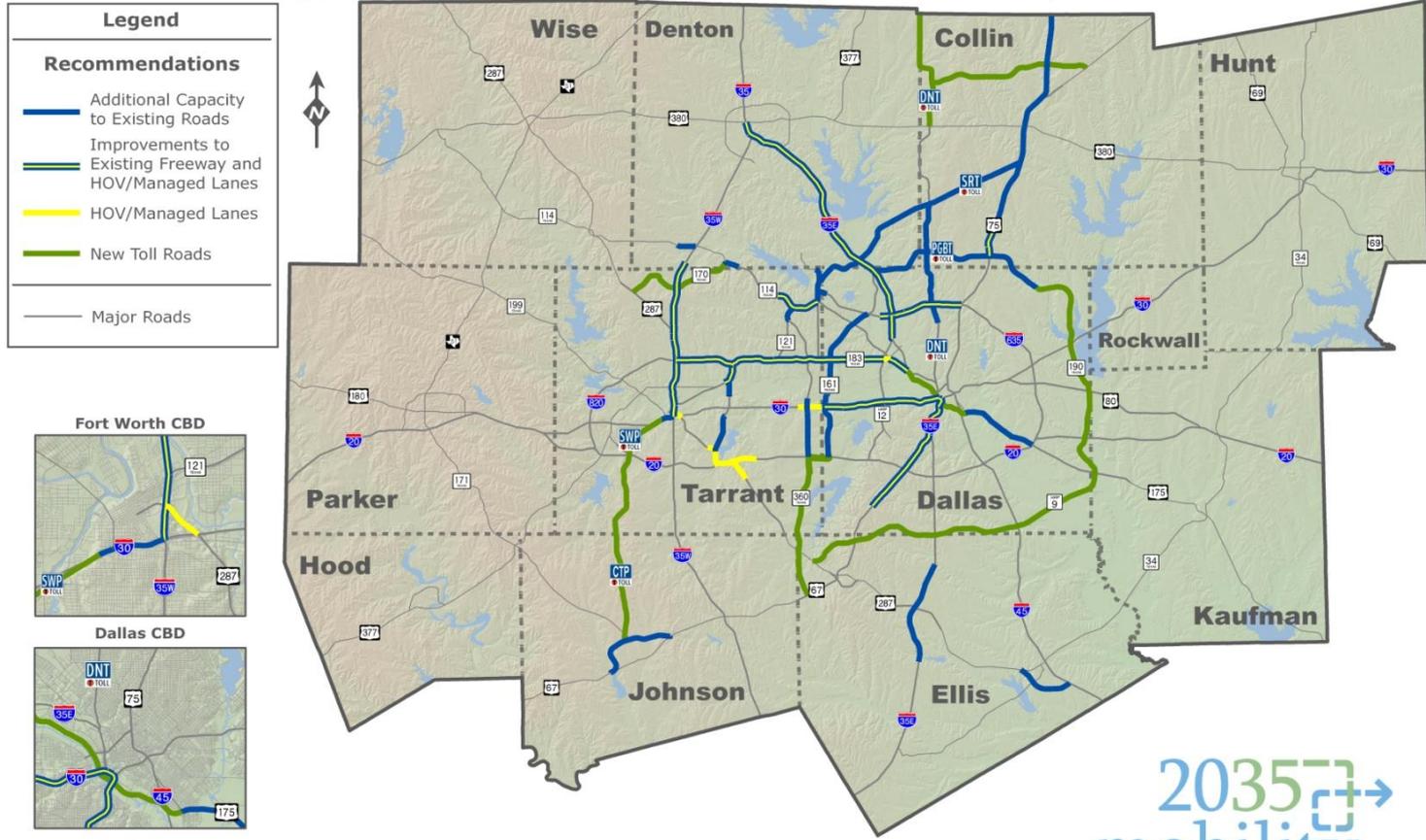
\*See High Speed Rail map for additional inter-region rail access.

# Mobility 2035

## Strategic Infrastructure Investment

### Funded Recommendations

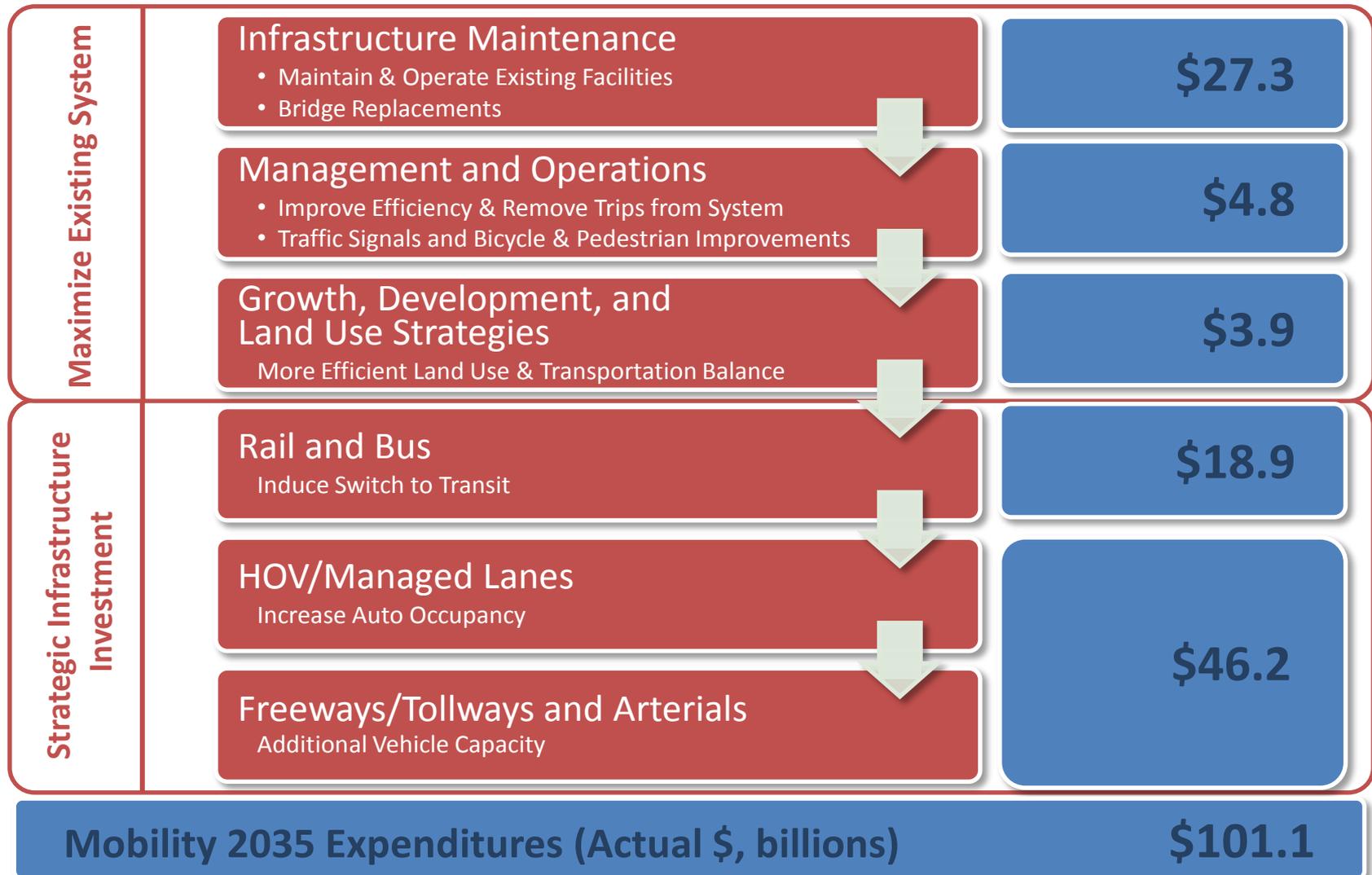
#### Freeway, Tollway, and HOV/Managed Lane Improvements



Facility recommendations indicate transportation need. Corridor specific alignment, design, and operational characteristics for the freeway/tollway system will be determined through ongoing project development.

# Mobility 2035

## Prioritization of Improvements



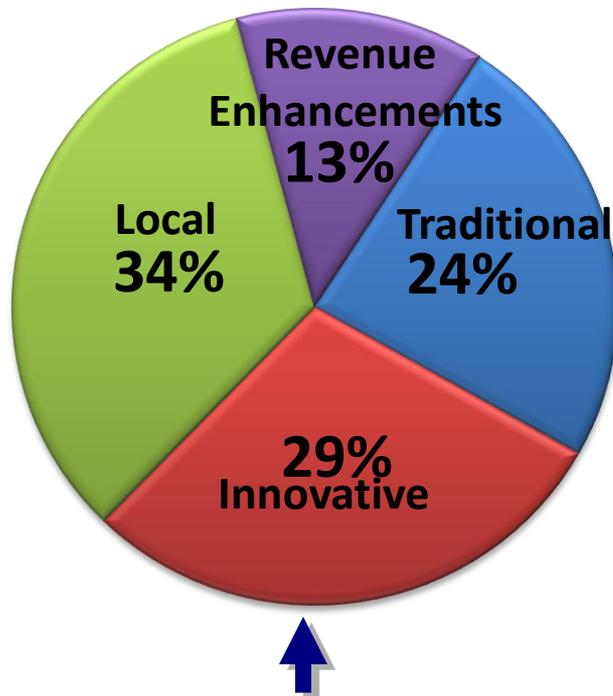
# Mobility 2035

## Toll Roads and Managed Lanes

Toll Roads

HOV/Managed Lanes

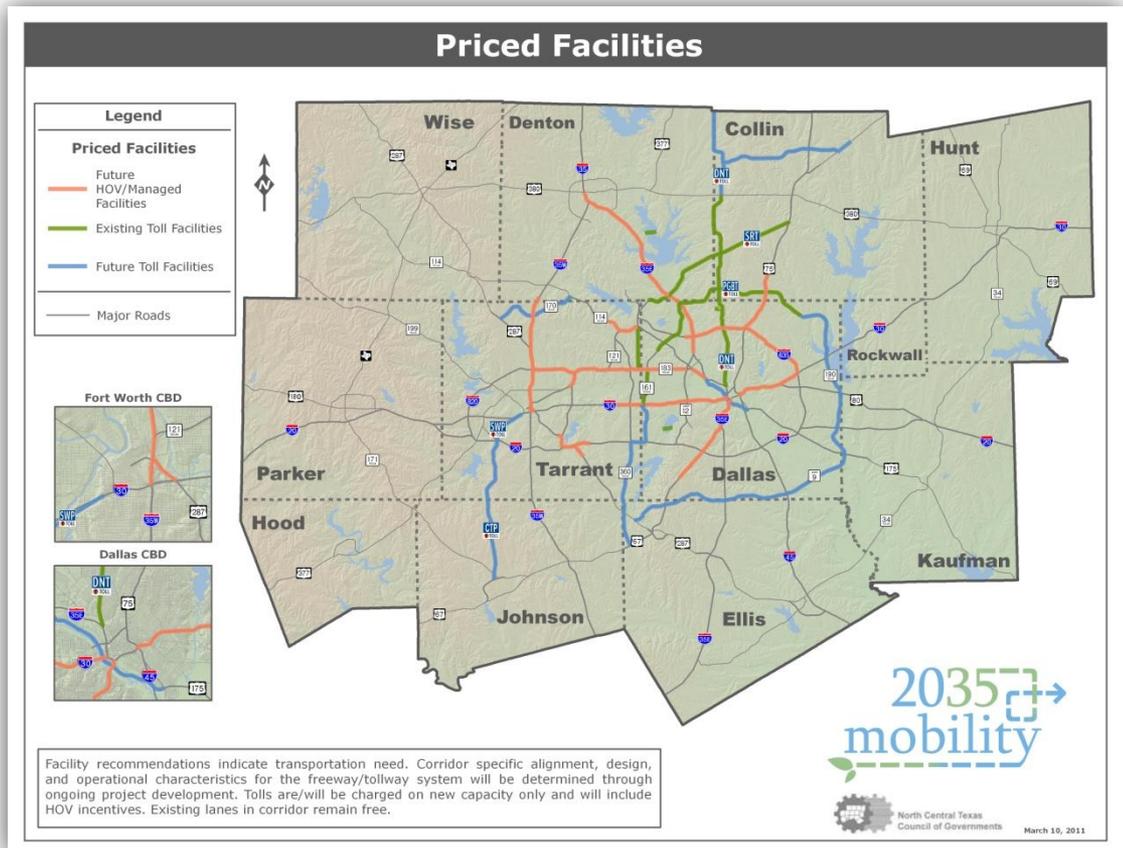
Mobility 2035  
Funding Sources



*The DFW region relies heavily on revenue from innovative finance*

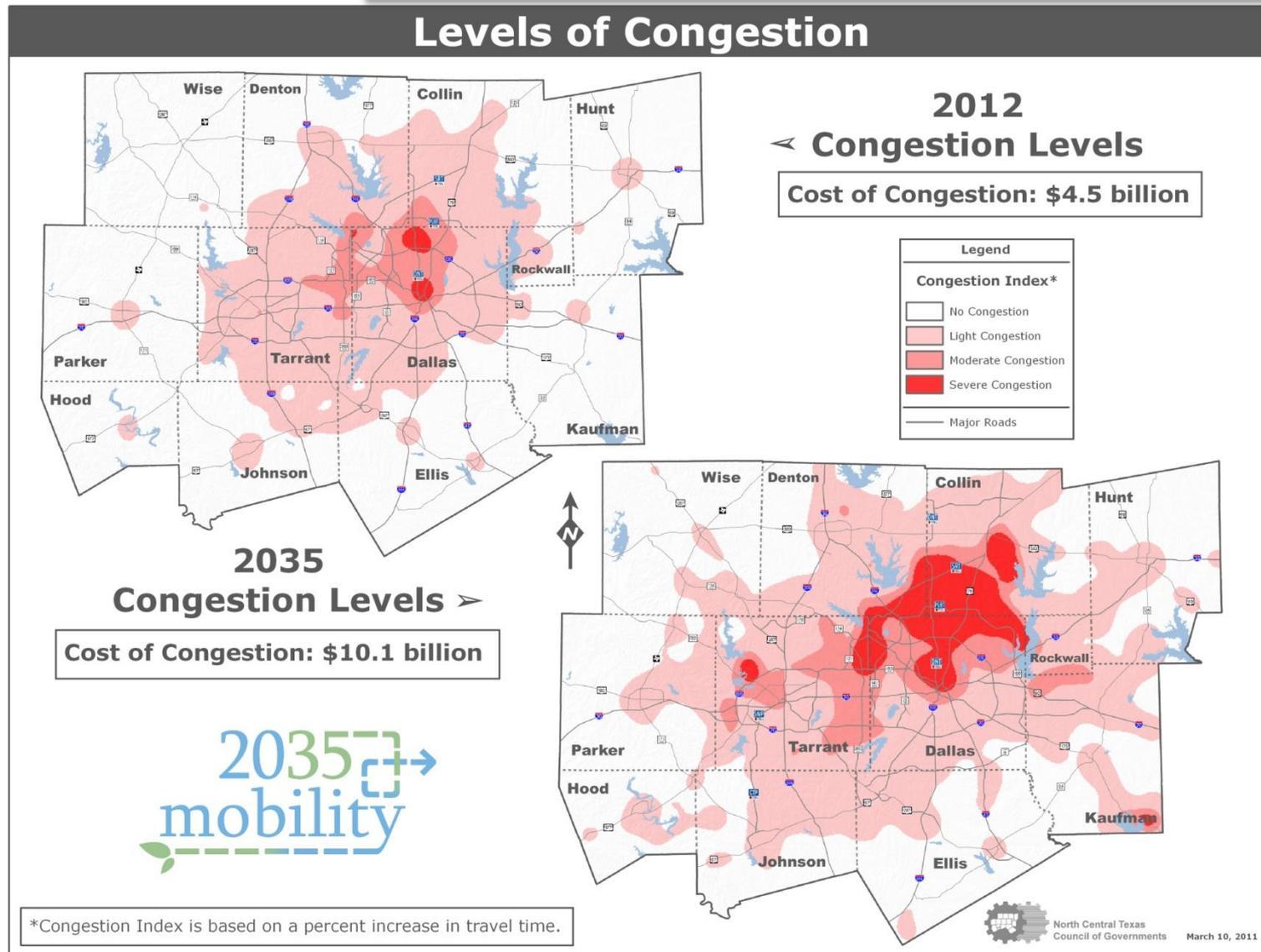
Public-Private Partnerships

Comprehensive Development Agreements  
(2009 Texas Legislature Rescinded CDA Authority)



# Mobility 2035

## Levels of Congestion



# Regional Transportation Planning

## Constraints and Considerations

**Multi-jurisdictional coordination**

**Project development time**

**Financial constraint**

**System funding**

**Financing major projects**

**Land use compatibility**

**Environmental considerations**

**Social considerations**