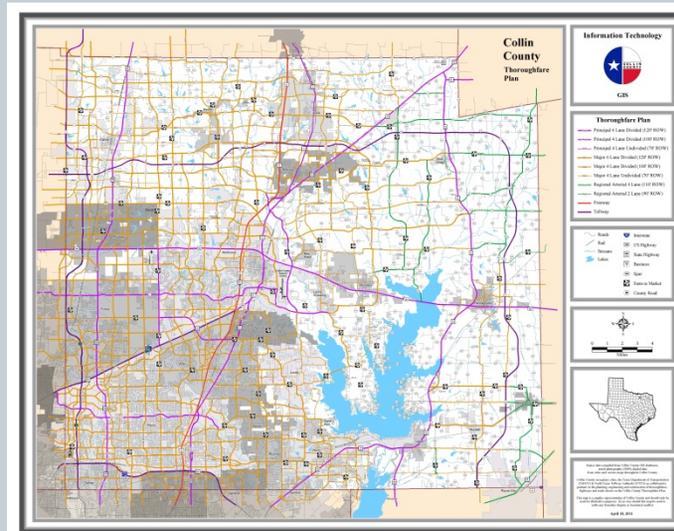


Collin County Mobility Plan 2013 Update



**PLANNING BOARD
NOVEMBER 1, 2012**

Agenda



- 1. Progress Update**
- 2. Assumptions for Demographic Forecasts**
- 3. Proposed Project Amendment for Recommendation to Commissioners Court**

Progress Update

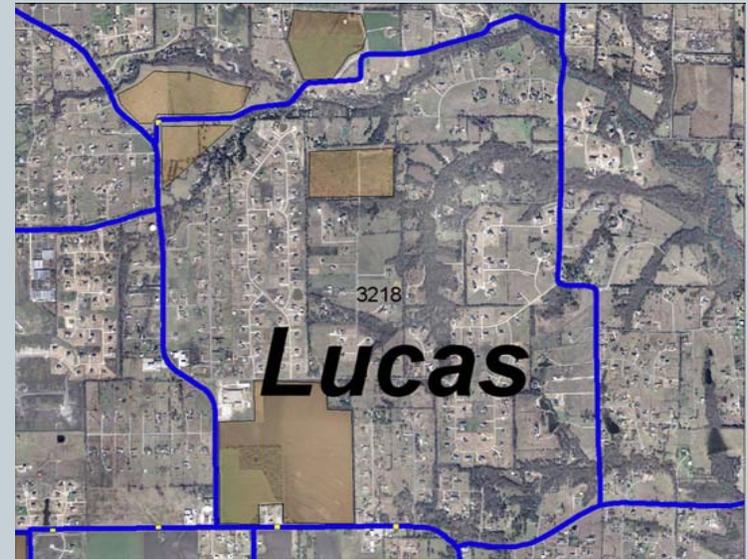


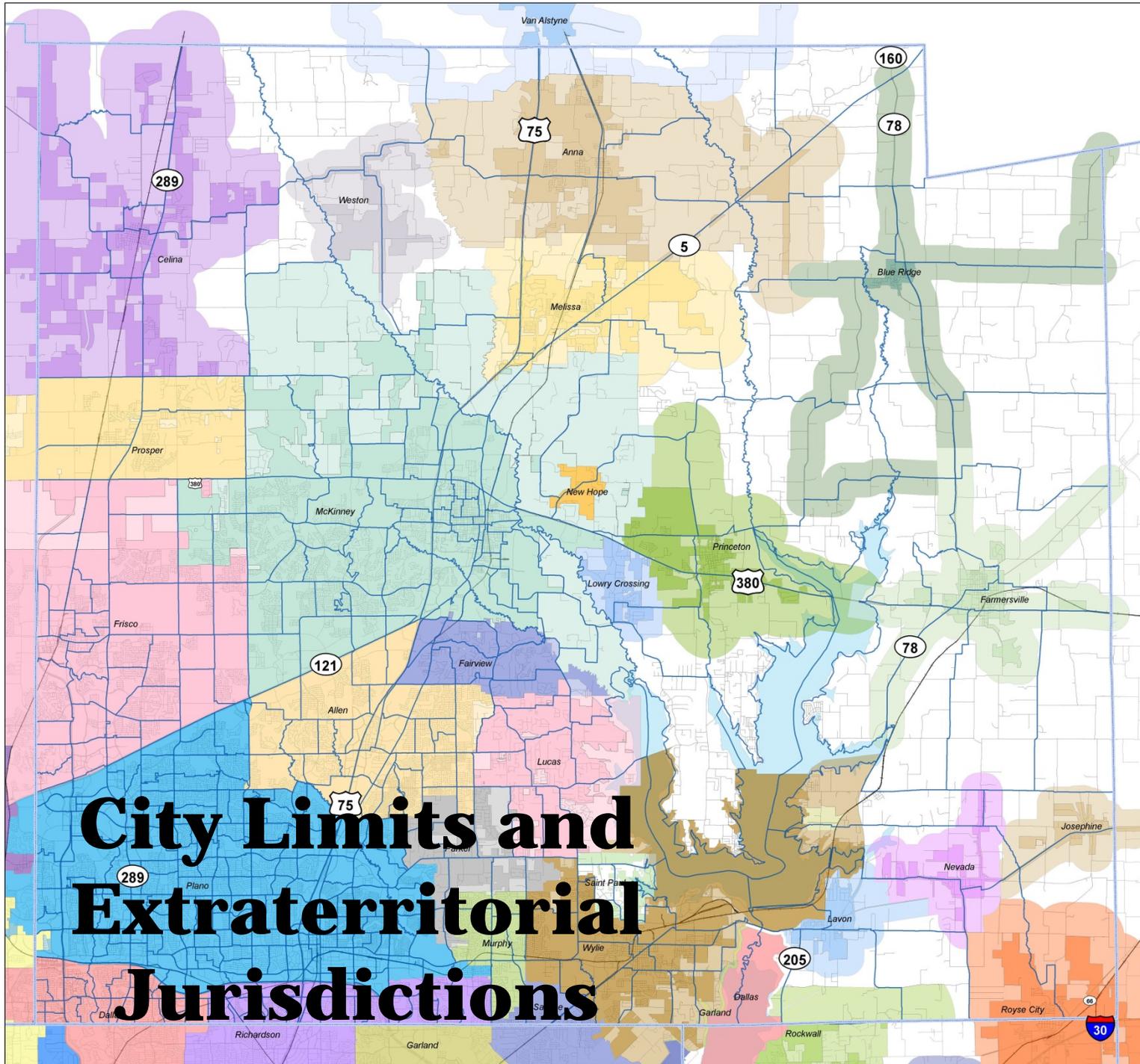
- **Completing Data Collection**
- **Established NCTCOG Coordination**
- **Contacting Municipalities and Agencies by E-mail and phone to request plans and offer meetings**
- **Compiling Existing Plans for Land Use, Thoroughfares and Trails**
- **Developing Forecasts for Traffic Serial Zones (TSZs)**
- **Preparing Countywide 2035 Future Land Use Plan**
- **Creating CCMP Website, Facebook Page and Twitter account**

Assumptions for Demographic Forecasts

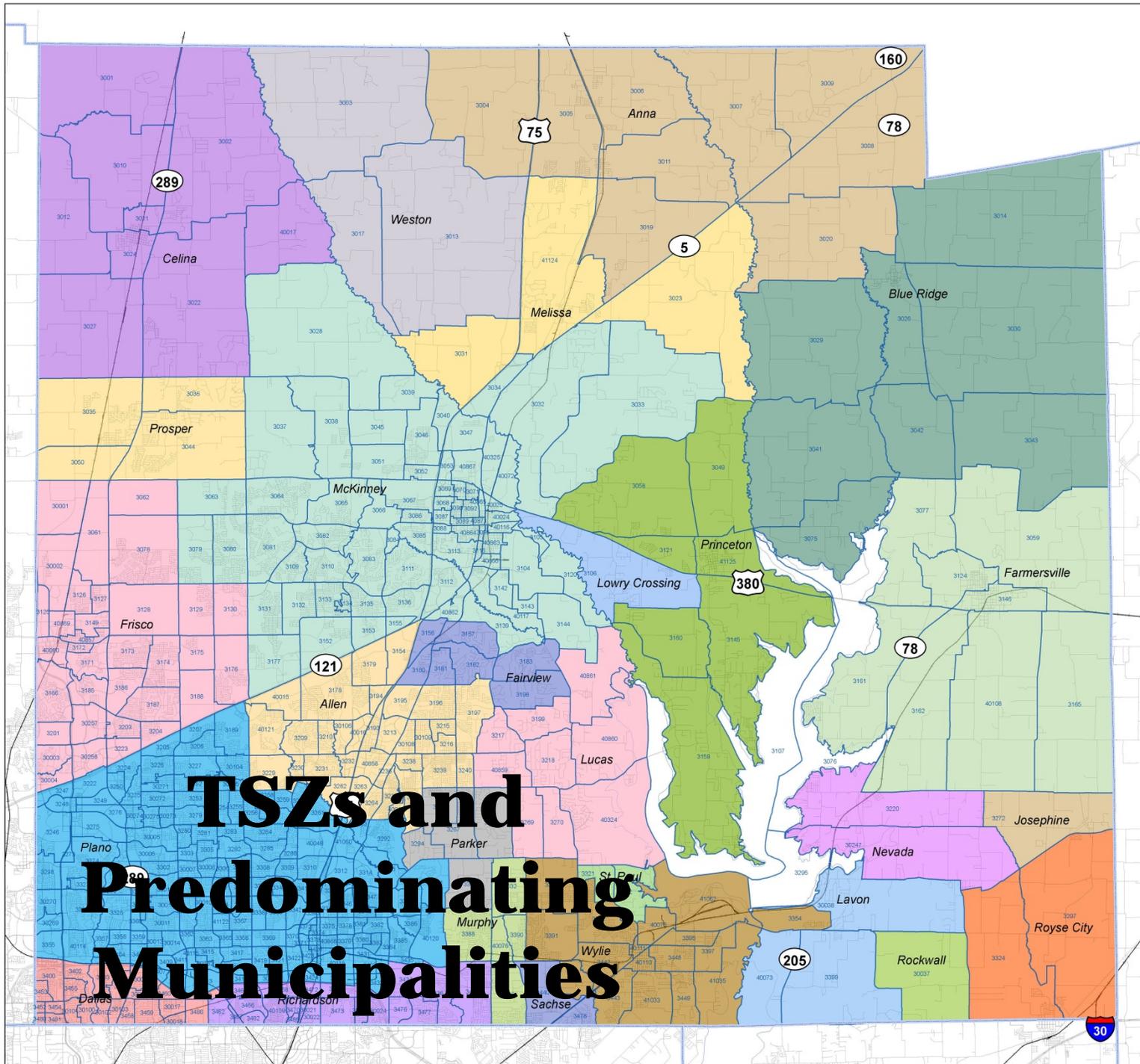


- **Cities and ETJs**
 - Coverage and Influence of Boundaries
 - ✦ 31 Cities (Rockwall has been added)
 - Assigning Cities to TSZs
 - ✦ Establish which city has the greatest influence in a TSZ
 - ✦ Note: TSZs do not follow city limits
 - ✦ 453 TSZs





City Limits and Extraterritorial Jurisdictions



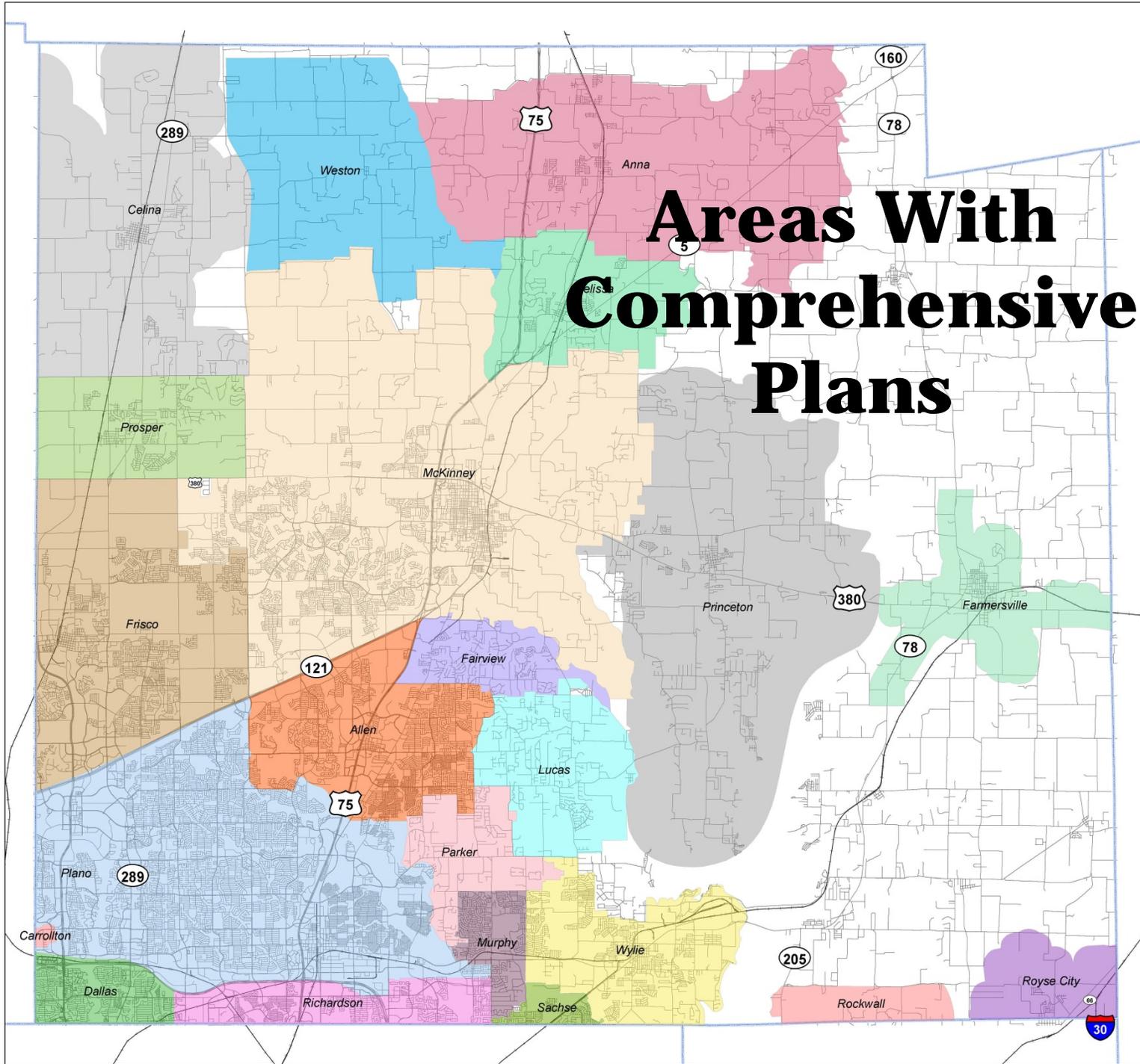
TSZs and Predominating Municipalities

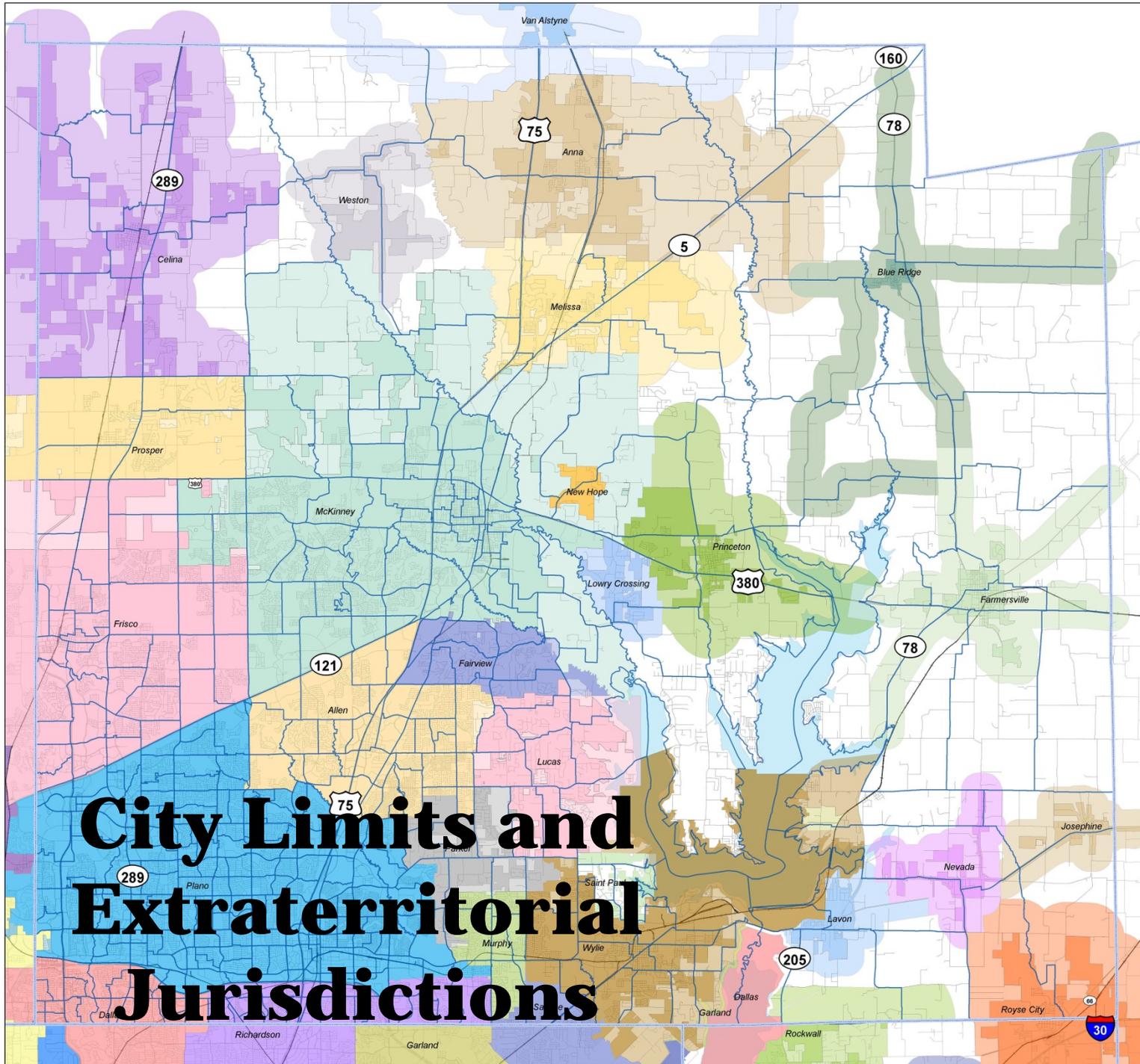
Assumptions for Demographic Forecasts



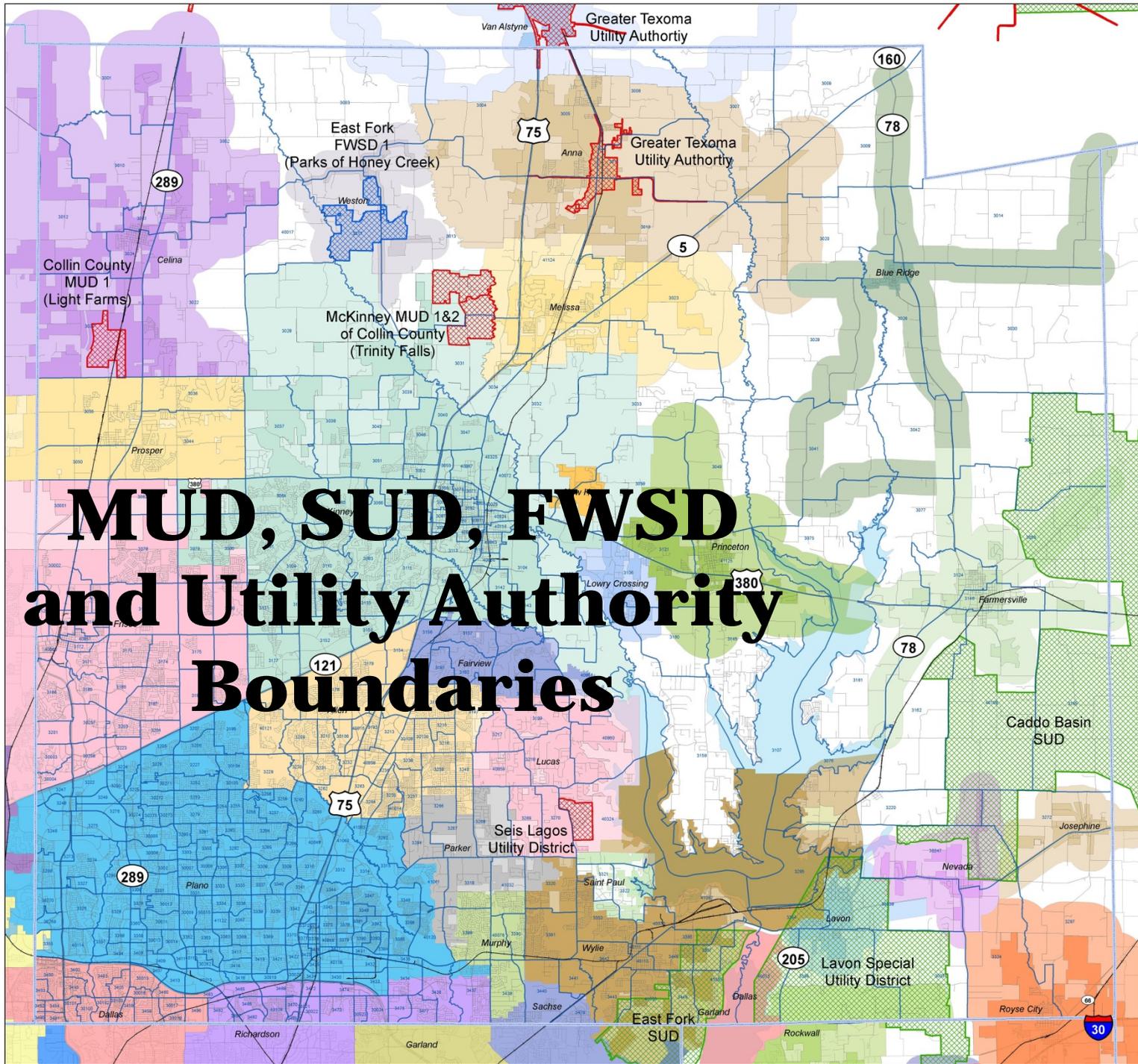
- **Factors Guiding Development**
 - **Cities with Plans**
 - ✦ Future Land Use Plans
 - ✦ 22 Cities have plans (Farmersville in progress)
 - **Water Districts**
 - ✦ MUD (Municipal Utility Districts)
 - ✦ FWSD (Fresh Water Supply Districts)
 - ✦ SUD (Special Utility Districts)
 - **Rural Areas**
 - ✦ Incorporated Areas (Rural/Smaller Cities)
 - ✦ Unincorporated Areas

Areas With Comprehensive Plans

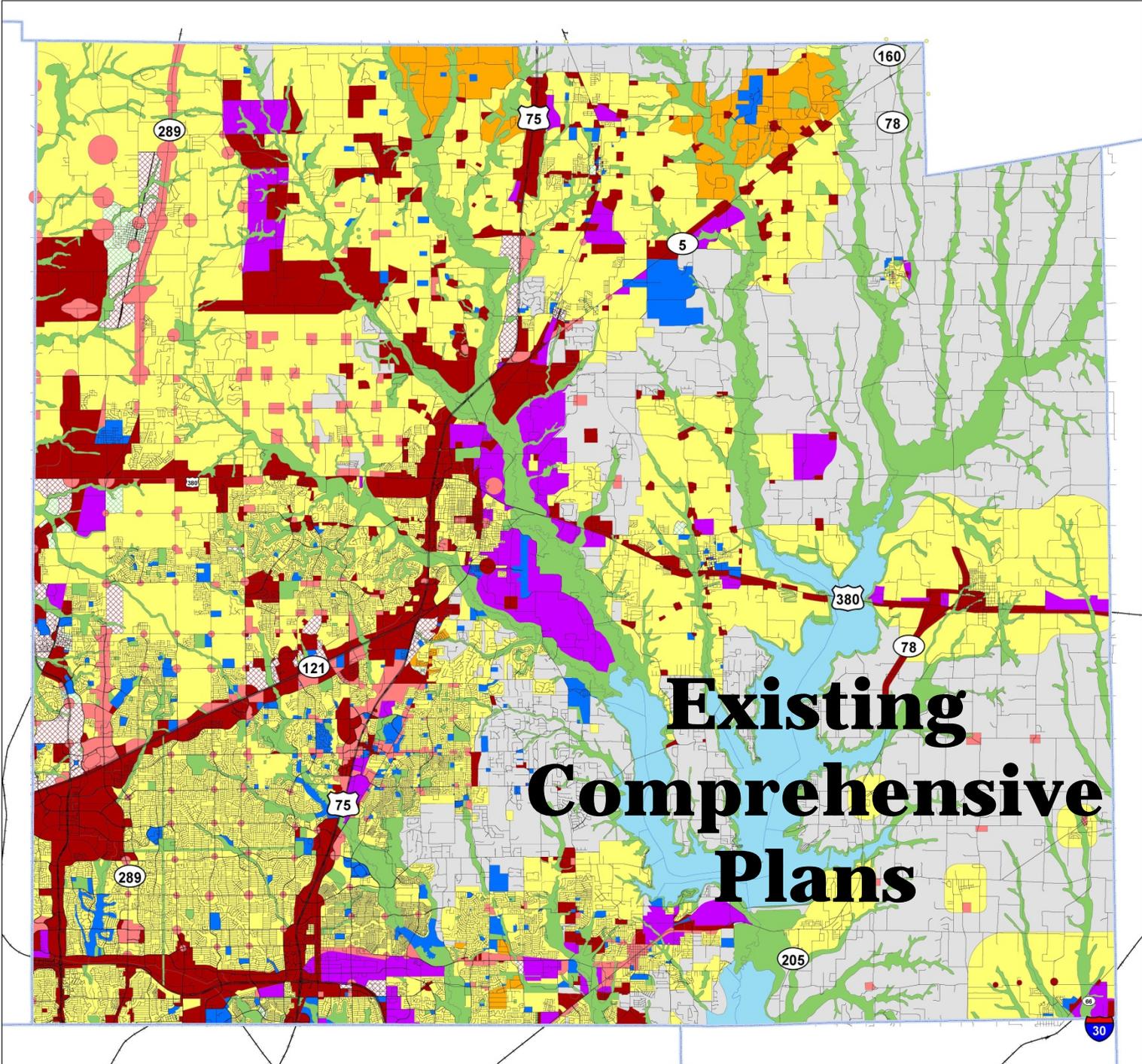




City Limits and Extraterritorial Jurisdictions



MUD, SUD, FWSD and Utility Authority Boundaries



Existing Comprehensive Plans

Assumptions for Demographic Forecasts



Legend

○ Residential

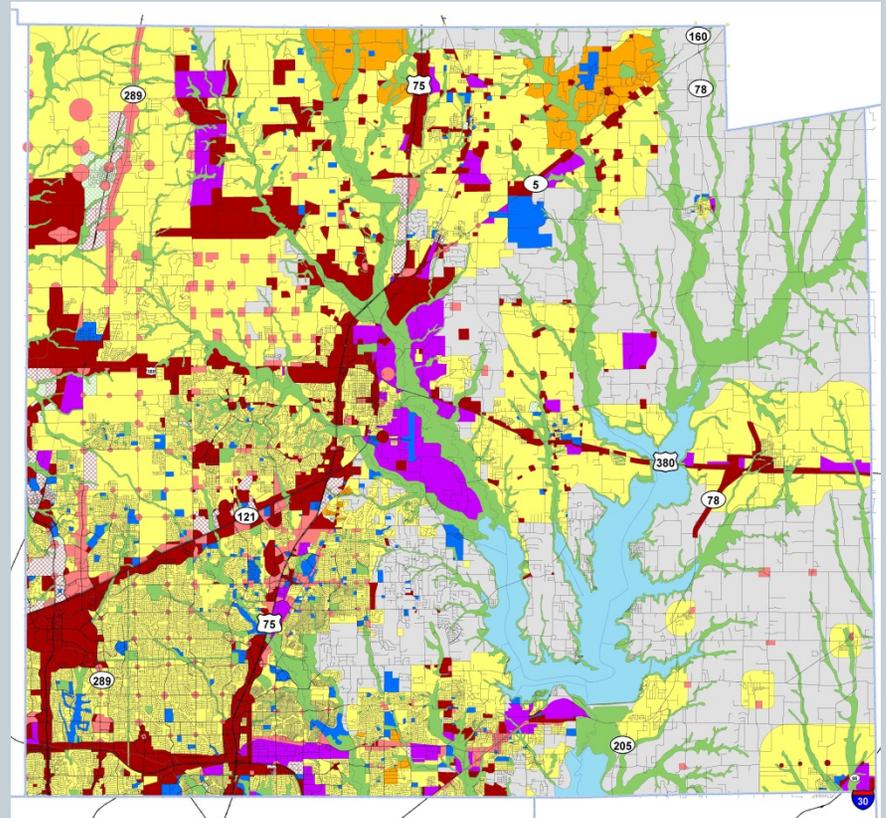
- ✧ Rural = 1.0 DUA or less
- ✧ Semi-Urban = 1.0 DUA - 3.0 DUA
- ✧ Urban = 3.0 DUA or greater

○ Nonresidential

- ✧ Retail
- ✧ Service (Office, Commercial)
- ✧ Basic (Industrial)

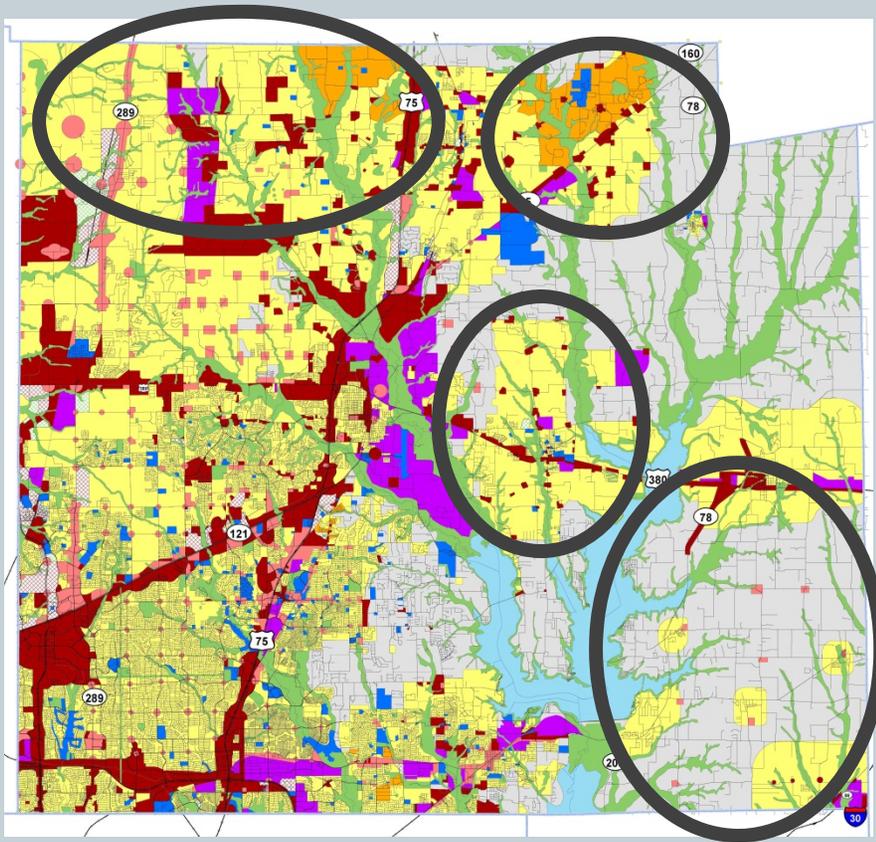
○ Mixed Use / Special

- ✧ Mixed Use Residential (Per Comp Plans)
- ✧ Mixed Use Nonresidential (Per Comp Plans)
- ✧ Public/Semi Public, Parks/Floodplain, and Lake (Per Site)

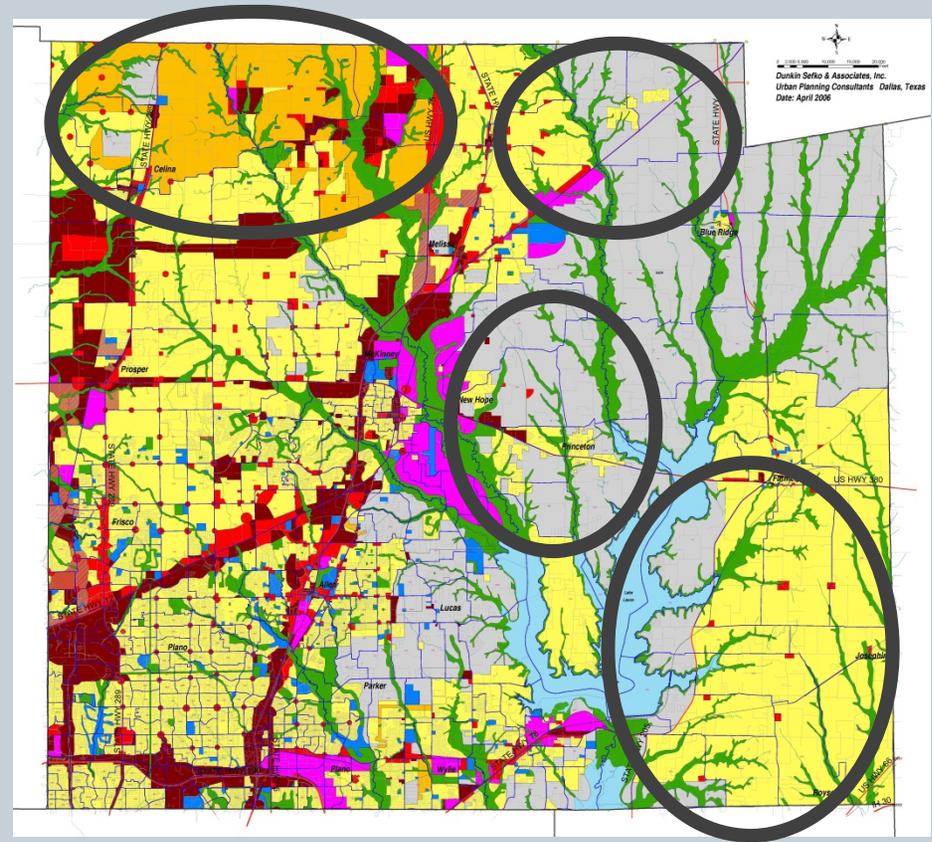


2013

Assumptions for Demographic Forecasts



2013



2006

Assumptions for Demographic Forecasts



- **How Do We Calculate Population and Employment**

- **Areas with Plans**

- ✦ **Future Land Use Plans**

- ✦ **Celina**

- **Suburban Low-Moderate Residential (LMR)**

- 6 DUA

- **Suburban Moderate-High Residential (MHR)**

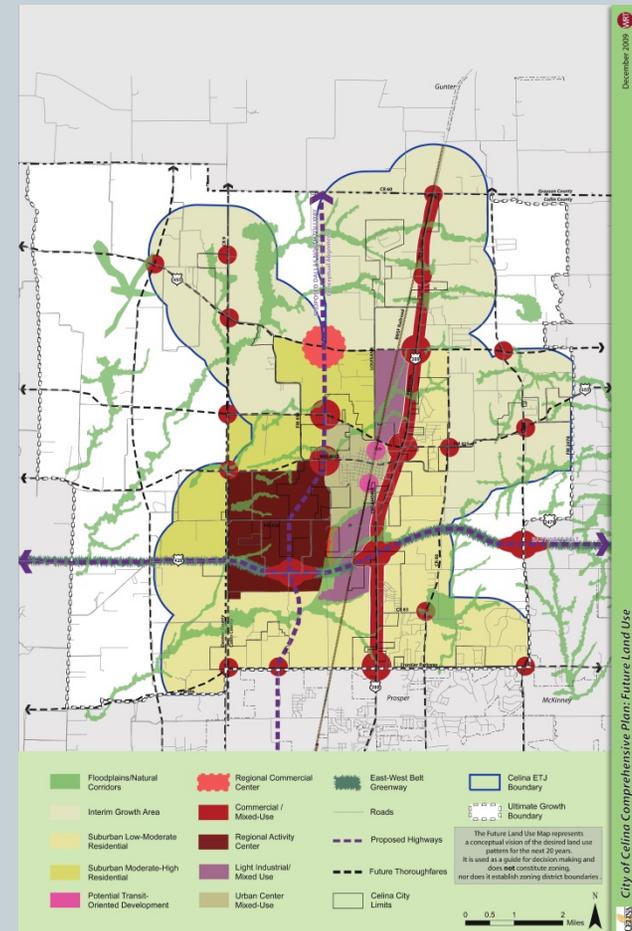
- 10 DUA

- **Areas without Plan**

- ✦ **Rural = 0.75 DUA**

- ✦ **Semi-Urban = 1.5 DUA**

- ✦ **Urban = 3.5 DUA**



December 2008

City of Celina Comprehensive Plan: Future Land Use

Assumptions for Demographic Forecasts



- **How Do We Calculate Population and Employment**
 - Population and Households based on Area Calculation
 - ✦ Acres
 - A 10% reduction is applied to vacant residential land of 500 acres or greater to accommodate roads and other public and semi-public land uses.
 - ✦ Dwelling Units Per Acre (DUA)
 - ✦ Occupancy Rate (yields household number)
 - ✦ Persons Per Household (yields population number)
 - Density for Employment
 - ✦ Retail: 0.25 F.A.R. 350 S.F. per Employee
 - ✦ Service: 0.25 F.A.R. 450 S.F. per Employee
 - ✦ Basic: 0.10 F.A.R. 1,000 S.F. per Employee

Assumptions for Demographic Forecasts



- **How Do We Calculate Population and Employment**
 - In order to calculate 2020 and 2035 population and employment, growth rates are determined for each TSZ based on the following:
 - ✦ Municipal comprehensive plans or city staff
 - ✦ Observed growth patterns in each TSZs
 - ✦ Observed growth patterns in each city

Assumptions for Demographic Forecasts



- Questions?



Questions and Comments on Demographic Forecast Assumptions



Proposed Project Amendment



- 1) Jacobs Team will perform additional Travel Demand Modeling in lieu of NCTCOG Support**
 - Perform Additional Model Runs for Network Alternatives
- 2) Conduct 3 Additional Public Meetings**
 - Involve Residents from all areas of Collin County
 - Conduct Meeting in each of four County Commissioners Districts
 - Increase Total Public meetings to Five (5)

1) Travel Demand Modeling Services

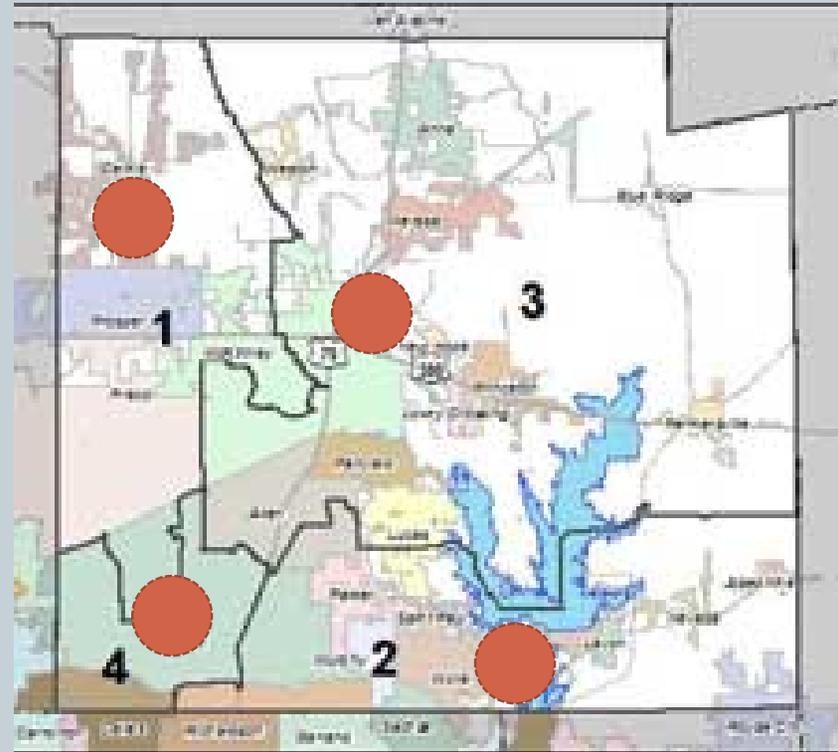


- NCTCOG support limited to providing current 2020 and 2035 regional models
- Current NCTCOG models are regional and have a zone structure and roadway network
- NCTCOG's work will run 2020 and 2035 models with new demographics and provide the TransCAD models
- Jacobs Team will apply models to analyze alternative Collin County networks for 2020 and 2035
- Add a level of refinement to make them consistent with Collin County's thoroughfare system

2) Additional Public Meetings



- **Initial round of 4 public meetings in Spring 2013**
 - One meeting in each commissioners district
 - Present demographics
 - Review preliminary alternatives for Mobility Plan Update
- **5th countywide public meeting to review Draft Mobility Plan**
- **Public hearing before Commissioners Court for Final Mobility Plan**



Discussion and Recommendations for Project Amendment

