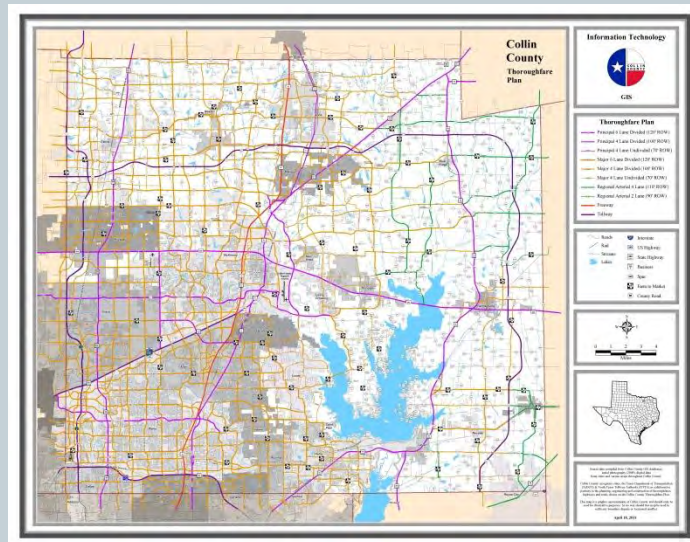


Collin County Mobility Plan 2013 Update



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

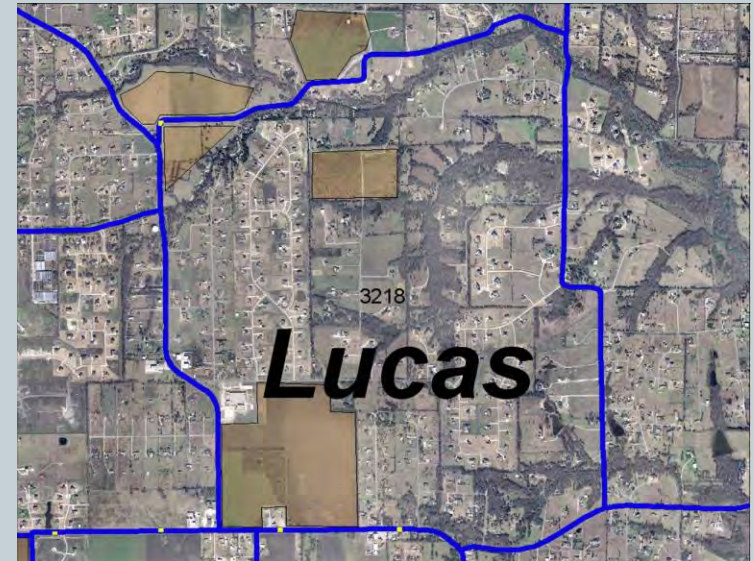


- Completing Data Collection
- Established NCTCOG Coordination
- Contacting Municipalities and Agencies by E-mail and phone to request plans and offer meetings
- Compiling Existing Plans for Land Use, Thoroughfares and Trails
- Developing Forecasts for Traffic Serial Zones (TSZs)
- Preparing Countywide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

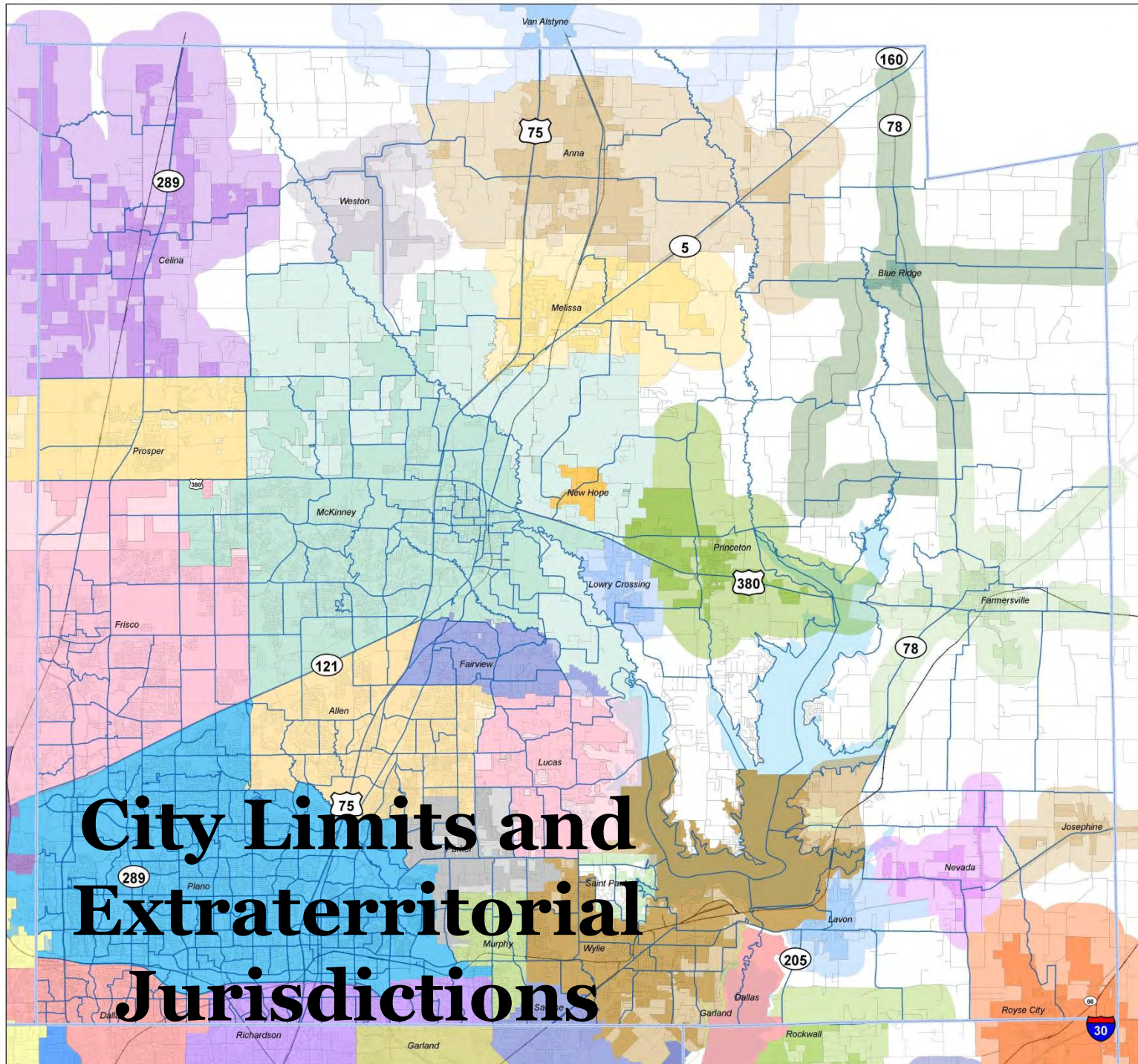
Assumptions for Demographic Forecasts



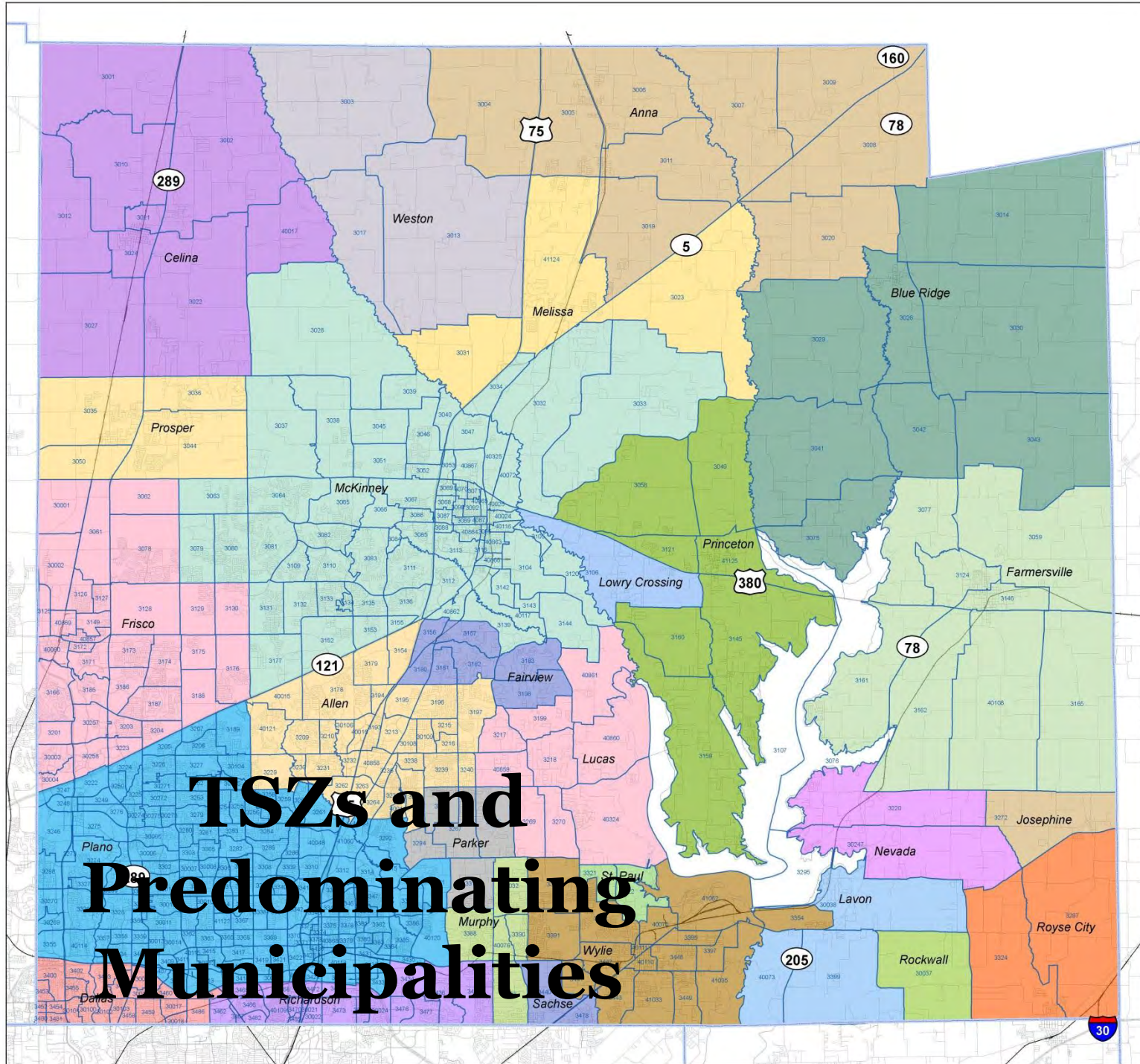
- Cities and ETJs
 - Coverage and Influence of Boundaries
 - ✦ 31 Cities (Rockwall has been added)
 - Assigning Cities to TSZs
 - ✦ Establish which city has the greatest influence in a TSZ
 - ✦ Note: TSZs do not follow city limits
 - ✦ 453 TSZs



City Limits and Extraterritorial Jurisdictions



TSZs and Predominating Municipalities

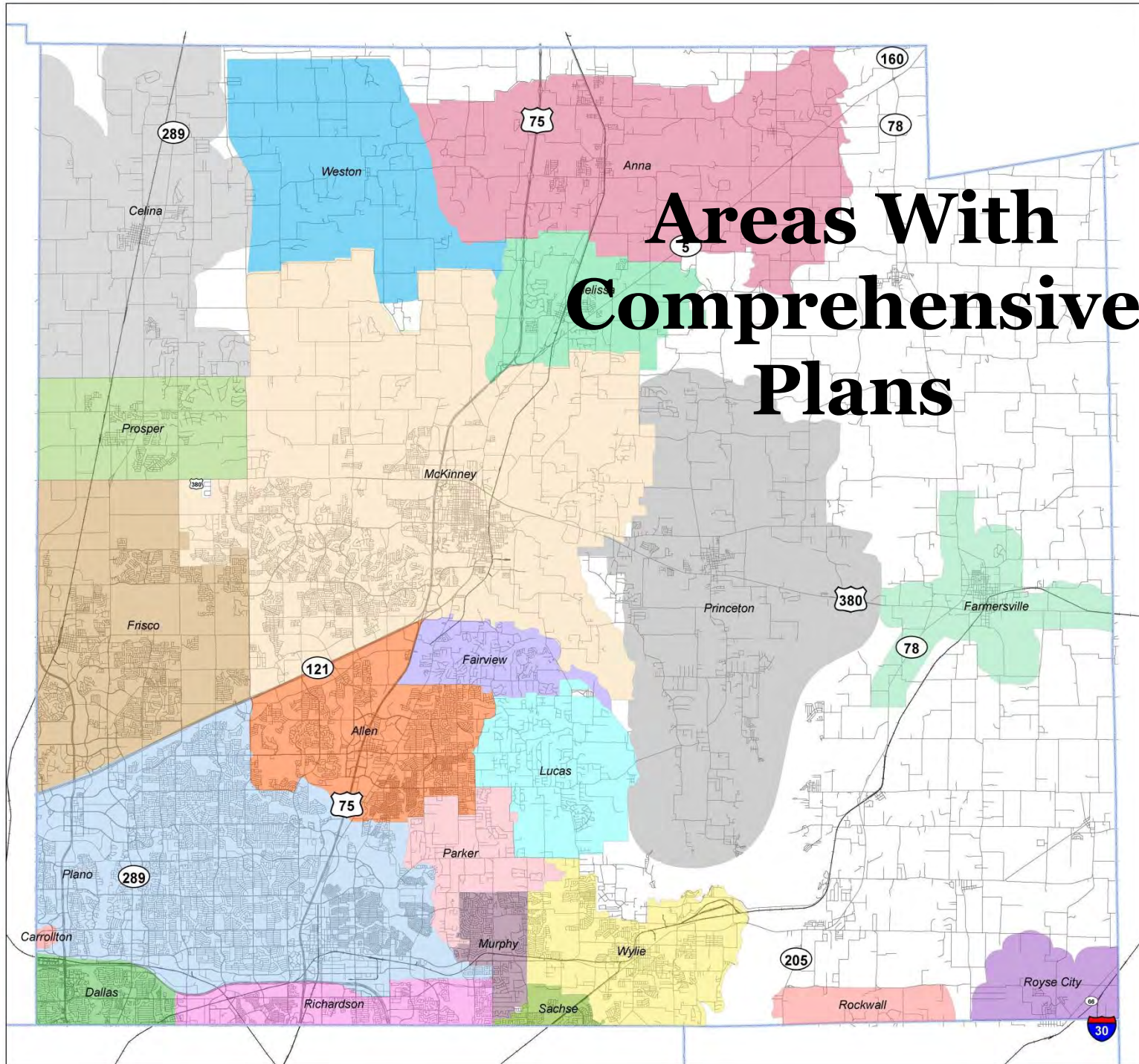


Assumptions for Demographic Forecasts

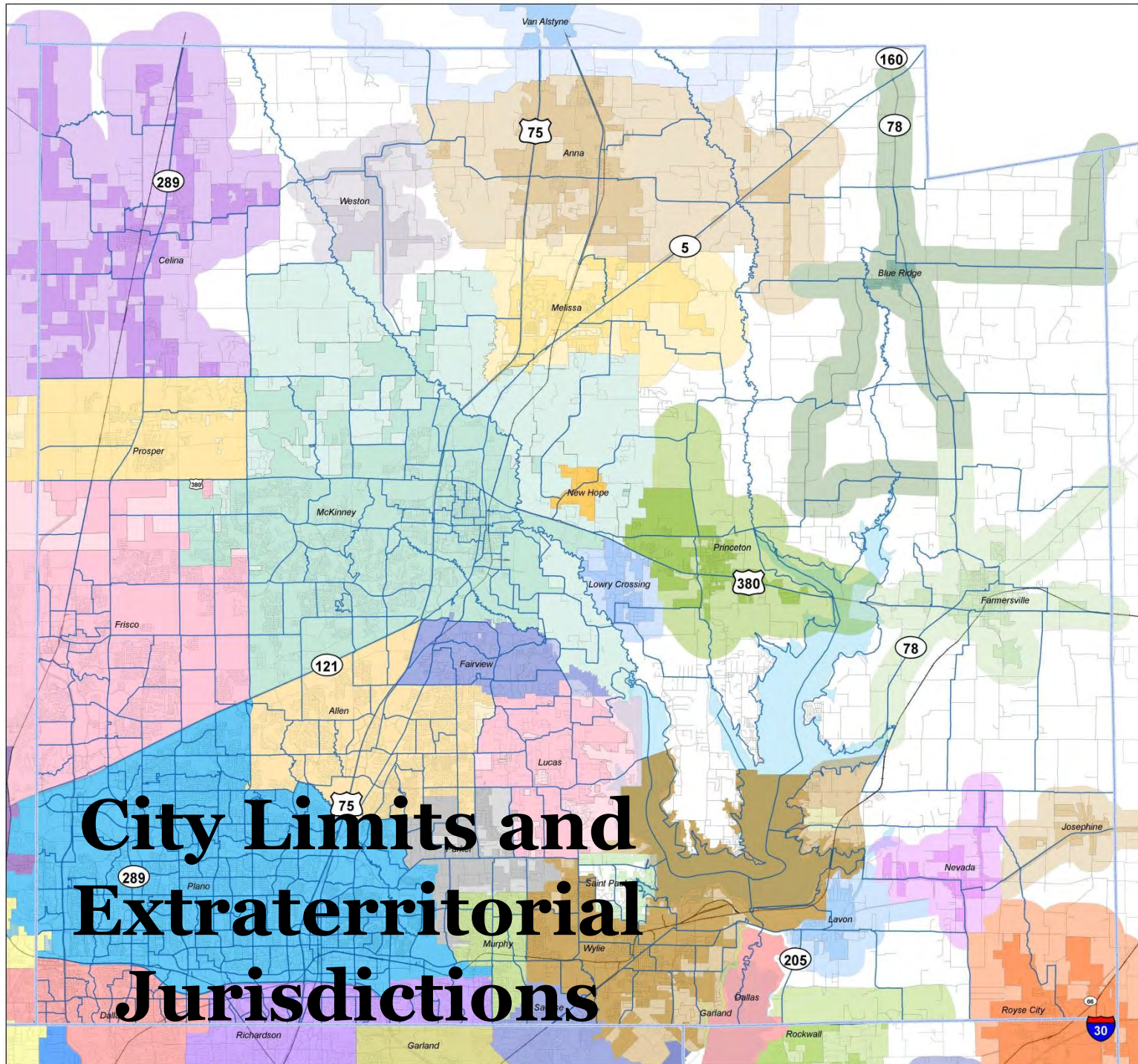


- Factors Guiding Development
 - Cities with Plans
 - ✦ Future Land Use Plans
 - ✦ 22 Cities have plans (Farmersville in progress)
 - Water Districts
 - ✦ MUD (Municipal Utility Districts)
 - ✦ FWSD (Fresh Water Supply Districts)
 - ✦ SUD (Special Utility Districts)
 - Rural Areas
 - ✦ Incorporated Areas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

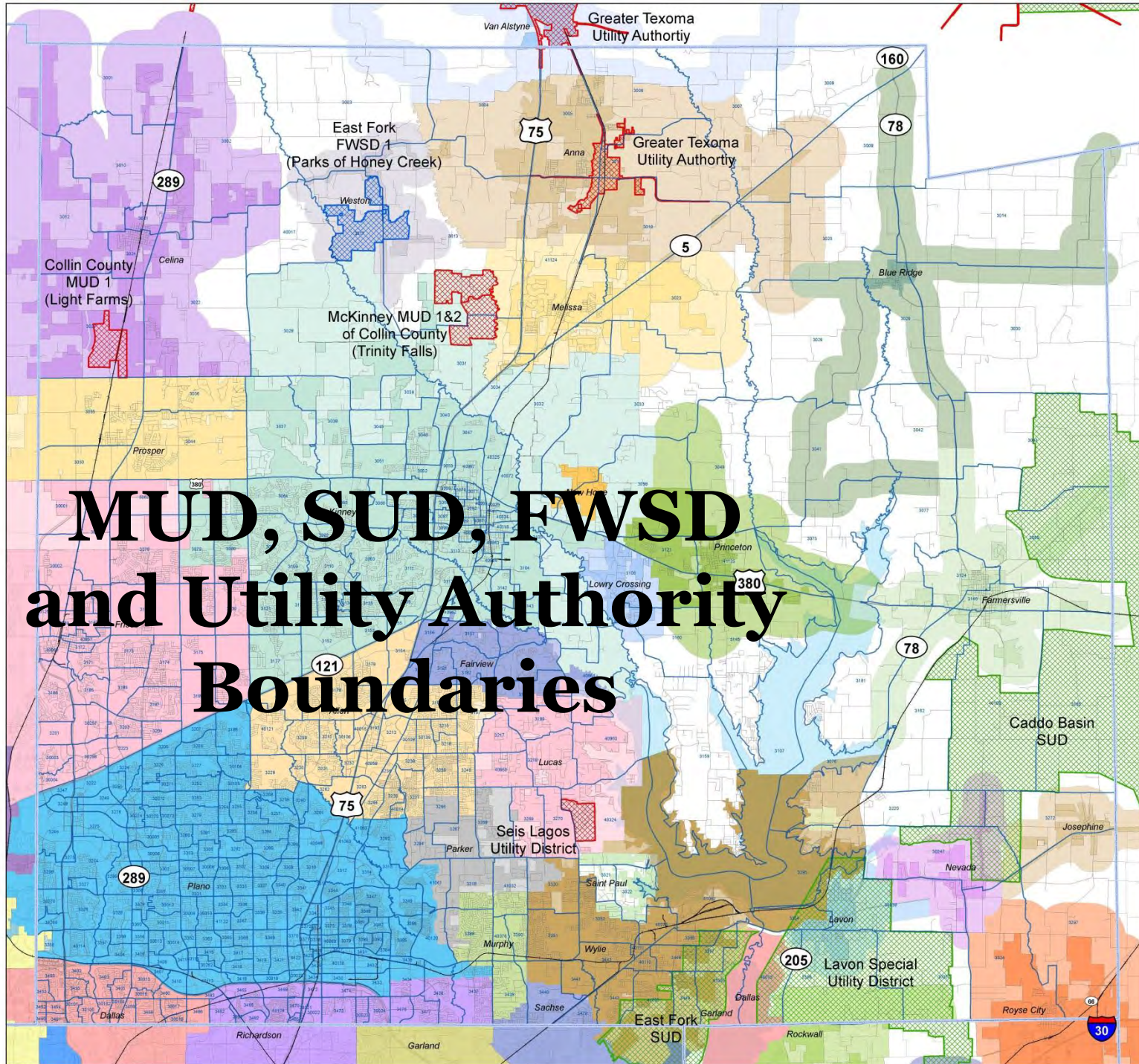
Areas With Comprehensive Plans

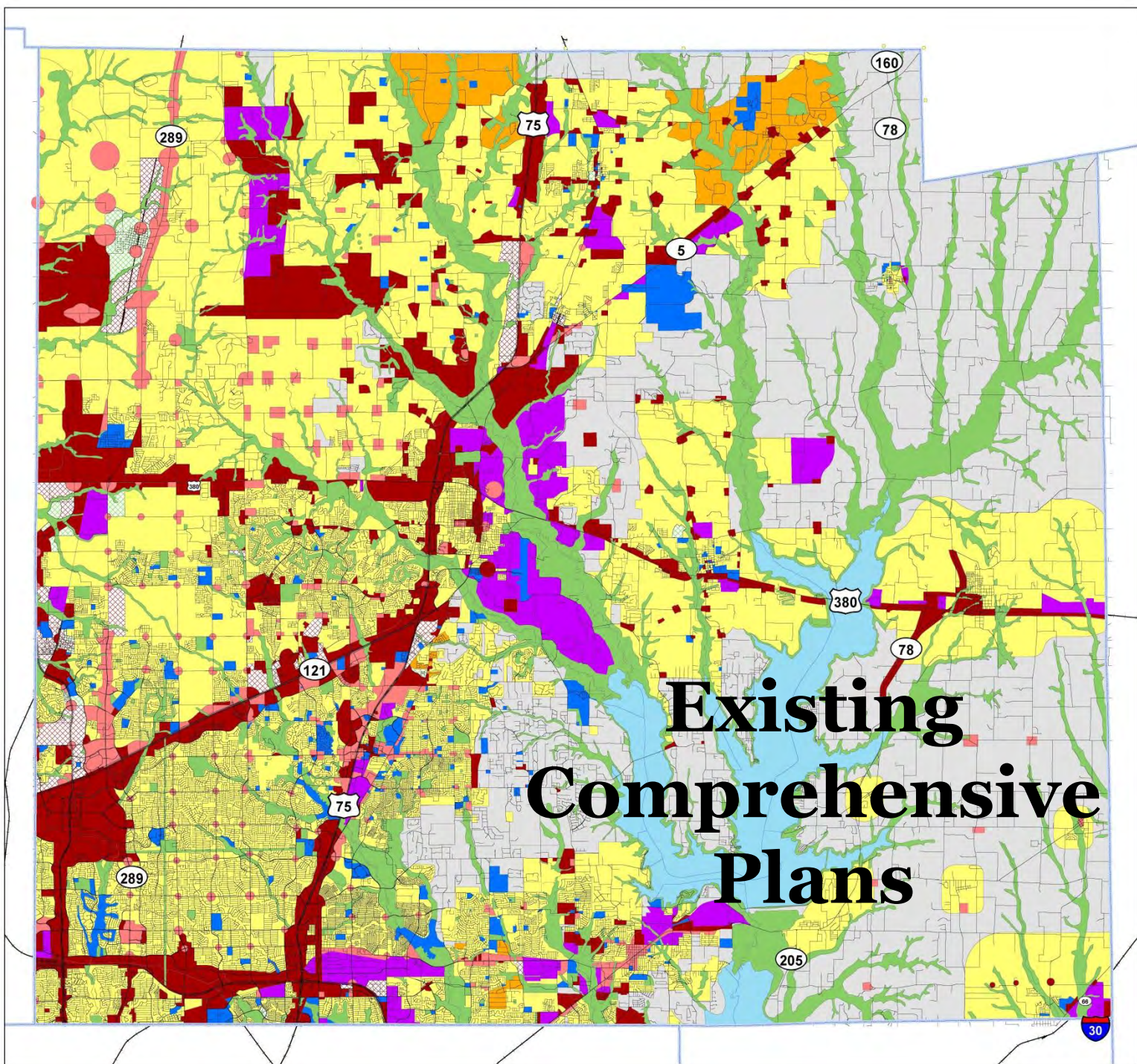


City Limits and Extraterritorial Jurisdictions



MUD, SUD, FWSD and Utility Authority Boundaries





Assumptions for Demographic Forecasts



• Legend

○ Residential

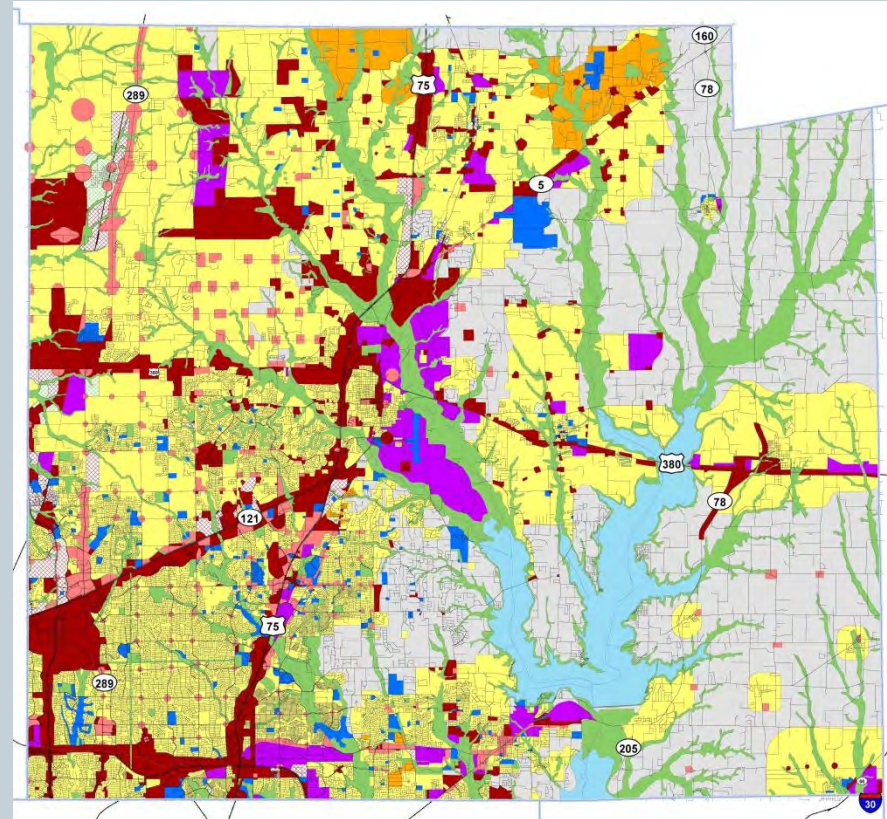
- ✦ Rural = 1.0 DUA or less
- ✦ Semi-Urban = 1.0 DUA - 3.0 DUA
- ✦ Urban = 3.0 DUA or greater

○ Nonresidential

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

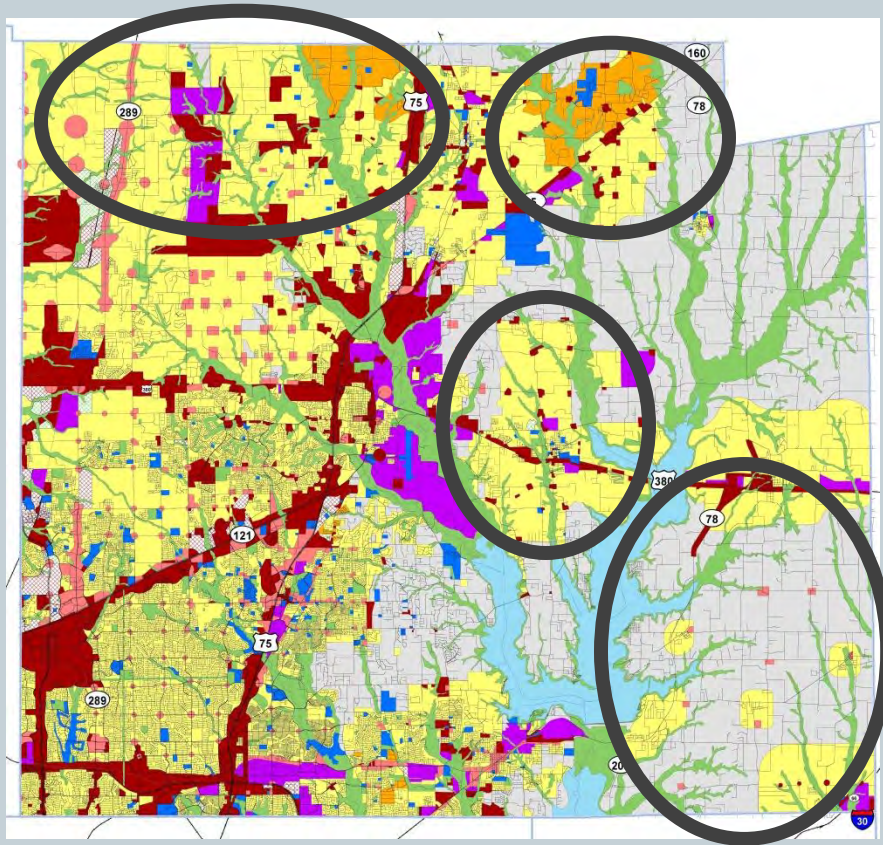
○ Mixed Use / Special

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

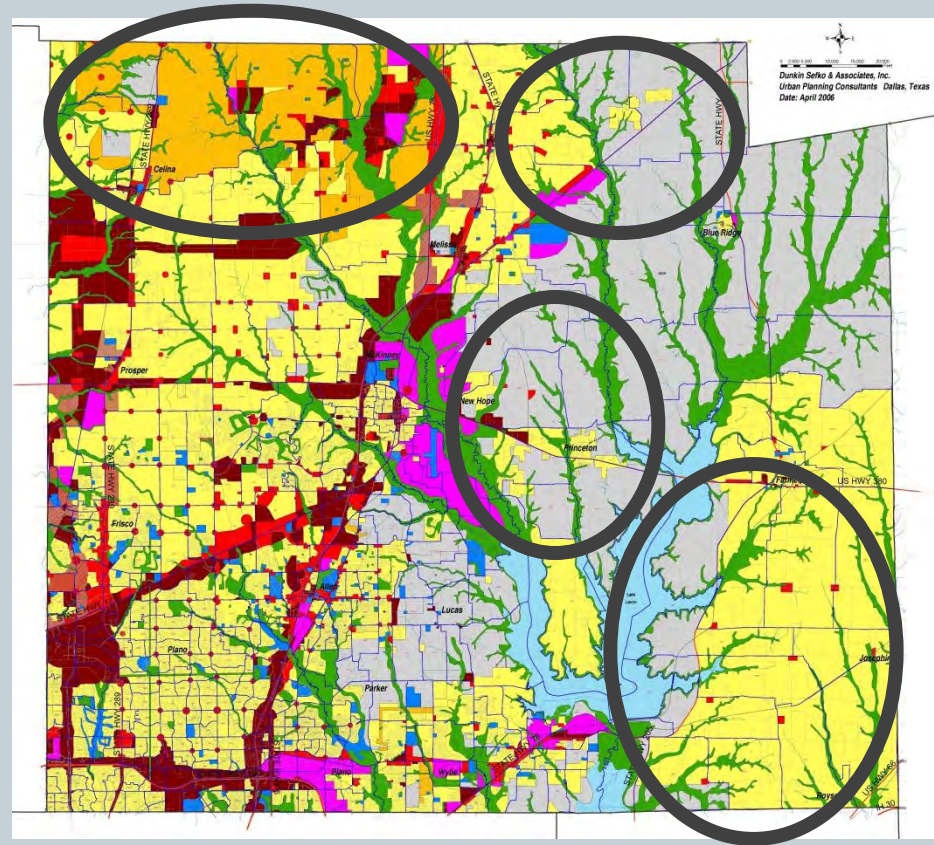


2013

Assumptions for Demographic Forecasts



2013

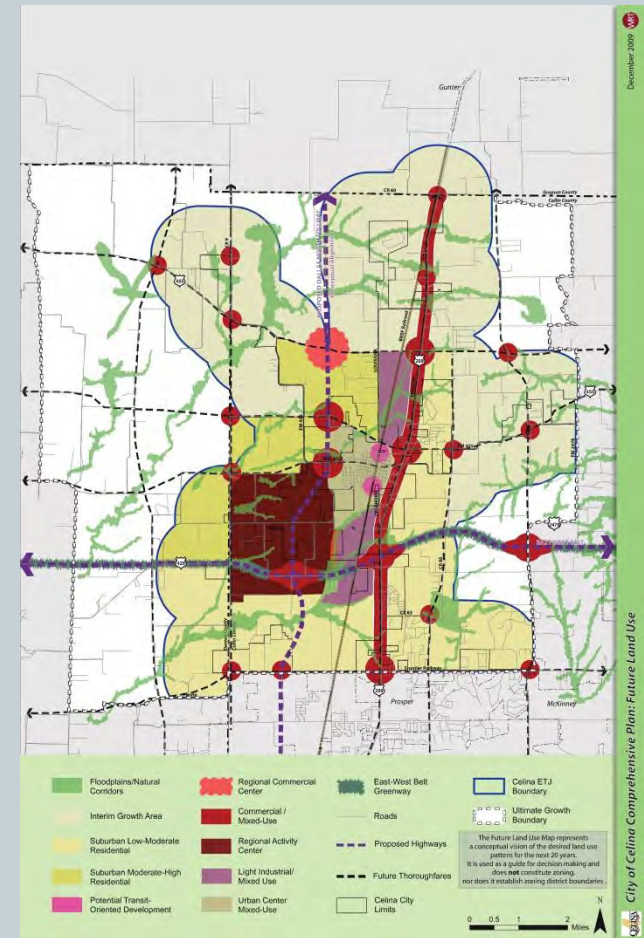


2006

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



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

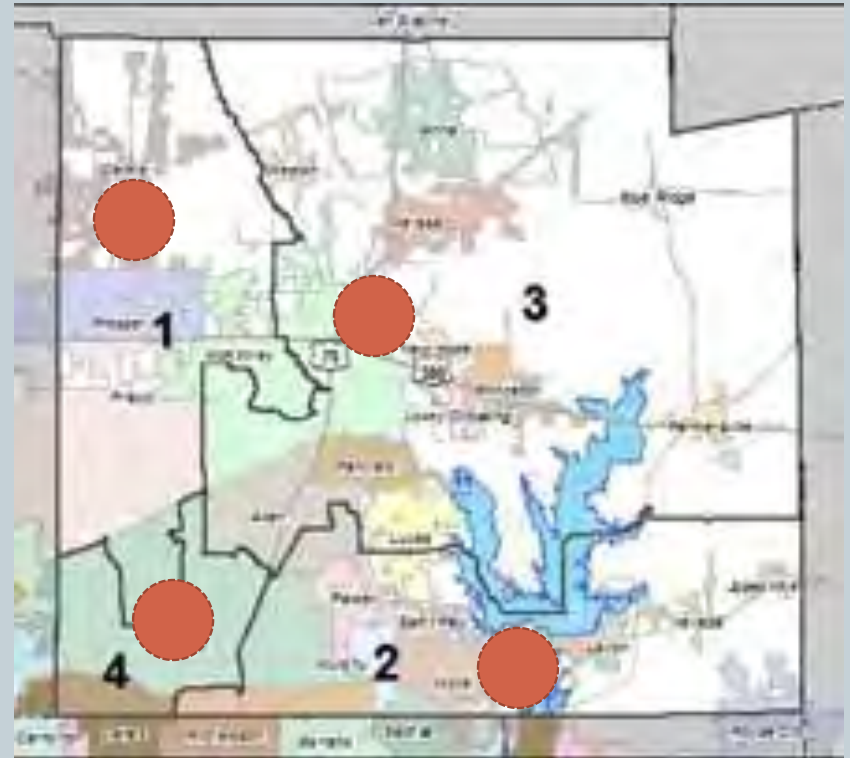


- NCTCOG support limited to providing current 2020 and 2035 regional models
- Current NCTCOG models are regional and have a zone structure and roadway network
- NCTCOG's work will run 2020 and 2035 models with new demographics and provide the TransCAD models
- Jacobs Team will apply models to analyze 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

