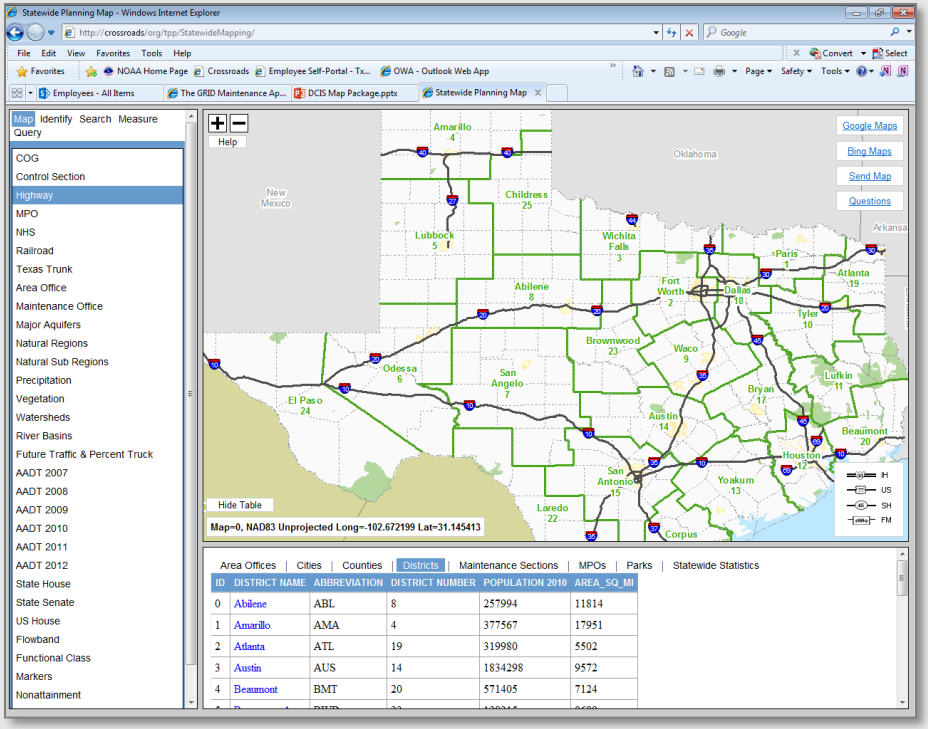
STATEWIDE PLANNING MAP DESKTOP

Jenn Sylvester

Statewide Planning Map - Desktop



What is it?

- ESRI map Document
- Software Program used for mapping and analysis purposes
- Current package available internally to TxDOT users and contractors

Purpose:

- Tool to increase data awareness
- Provides TxDOT employees a way to view/query roadway data
- Provide the tools to create custom data files and maps

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- How is it more useful than the Planning Map Web?
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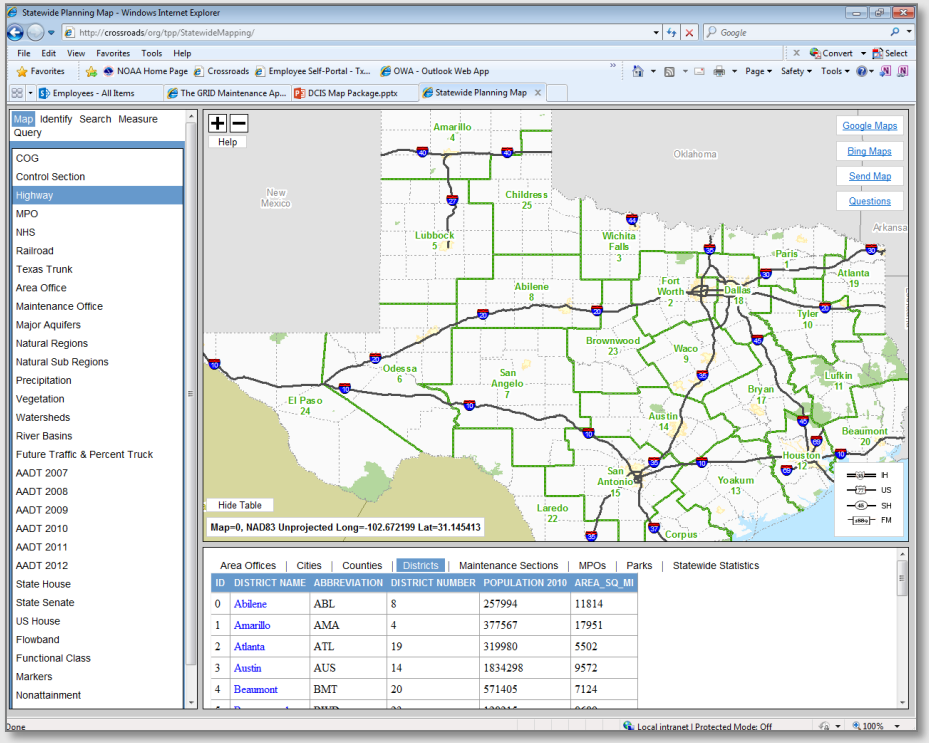
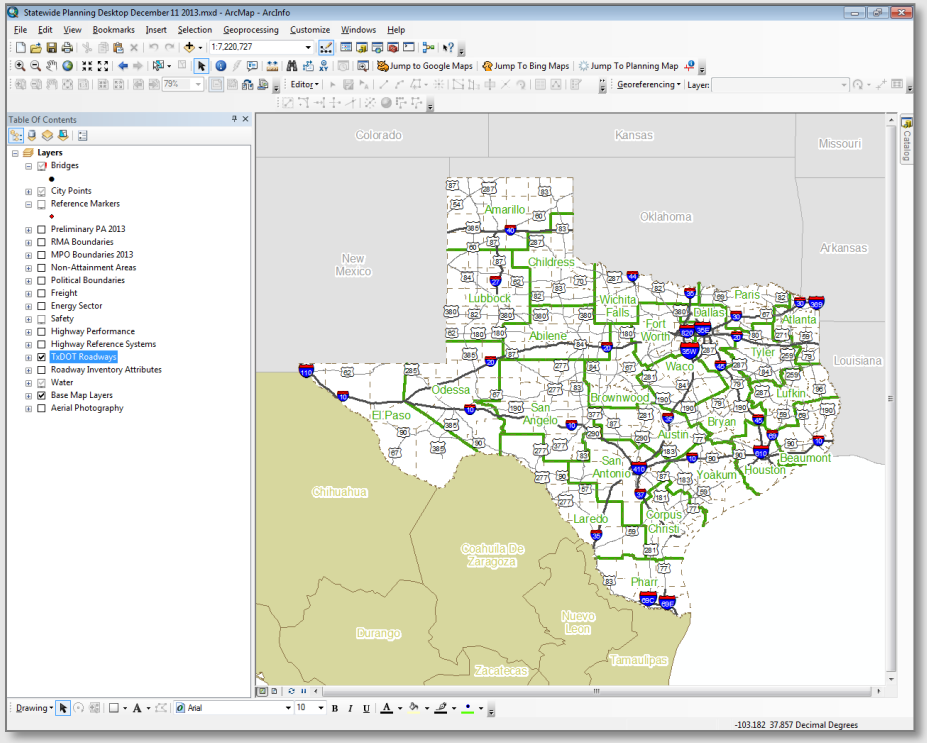
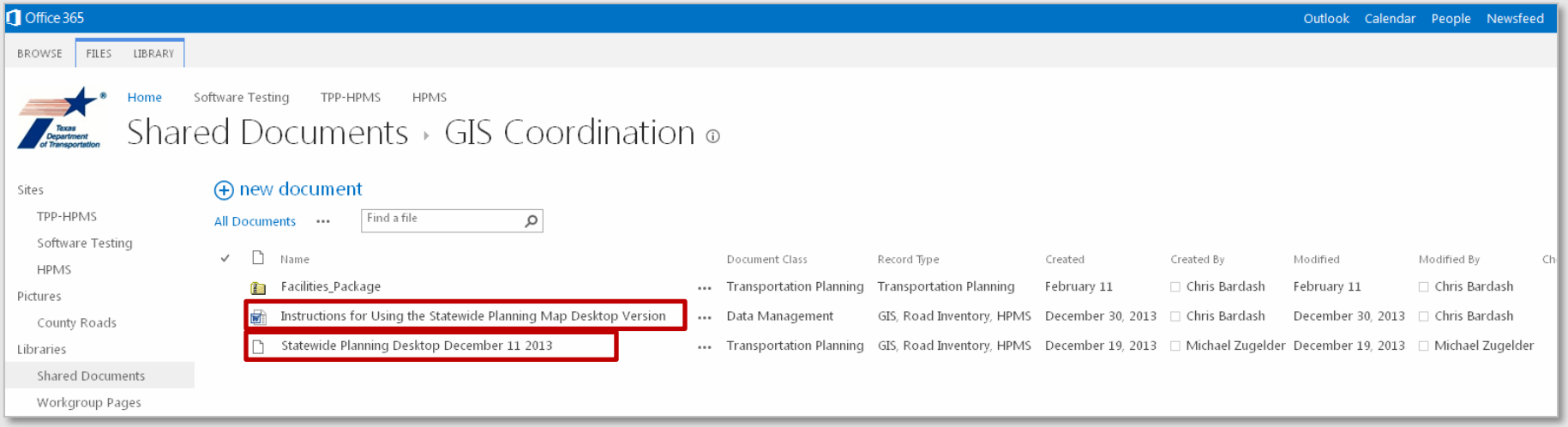
  - Definition and location queries
  - Export layers and maps
  - Customizable Appearance



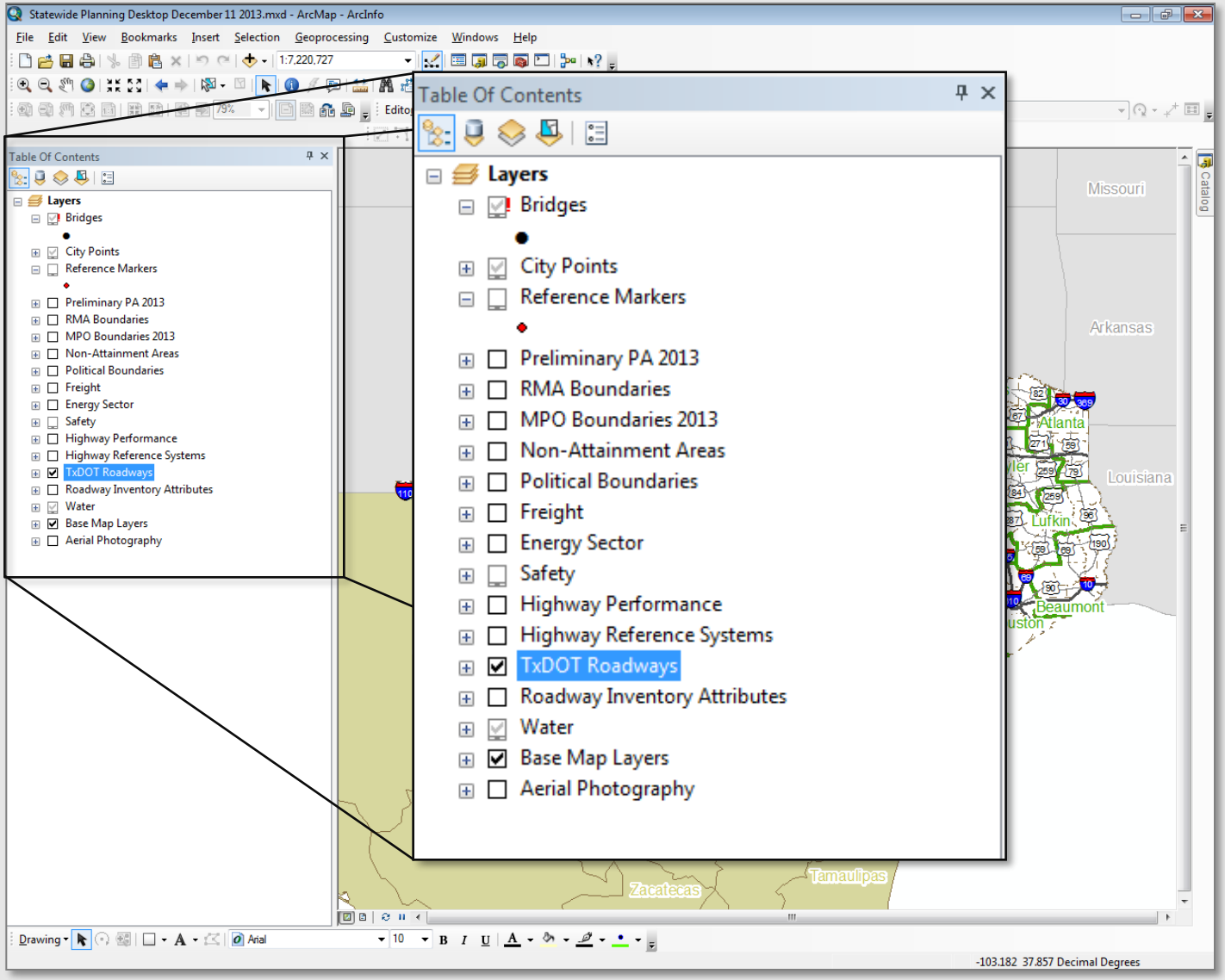


Statewide Planning Map - Desktop

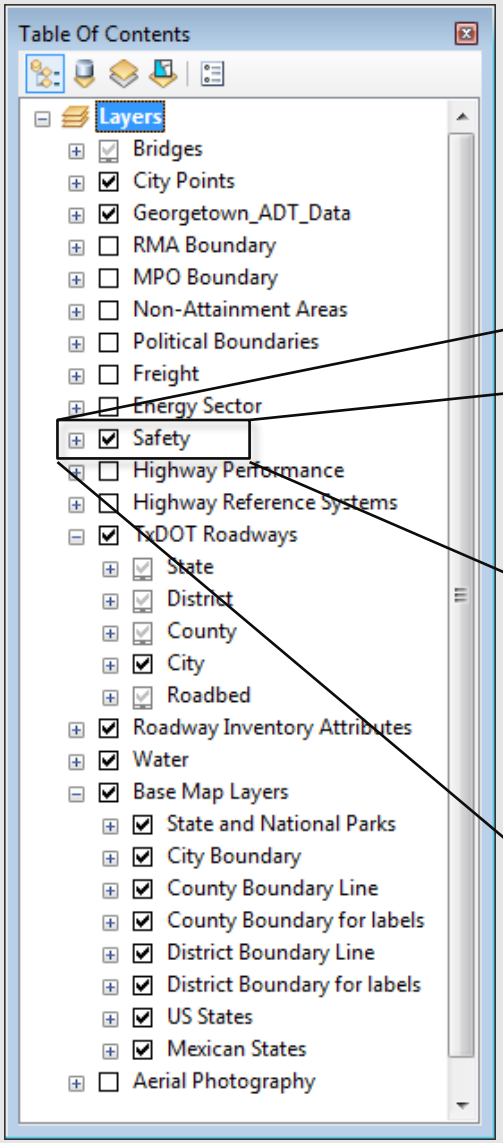
- Where is the Planning Map Desktop located?
  - SharePoint
  - ESRI Map Package
  - Instruction documents



Statewide Planning Map - Layers



Statewide Planning Map – Group Layers



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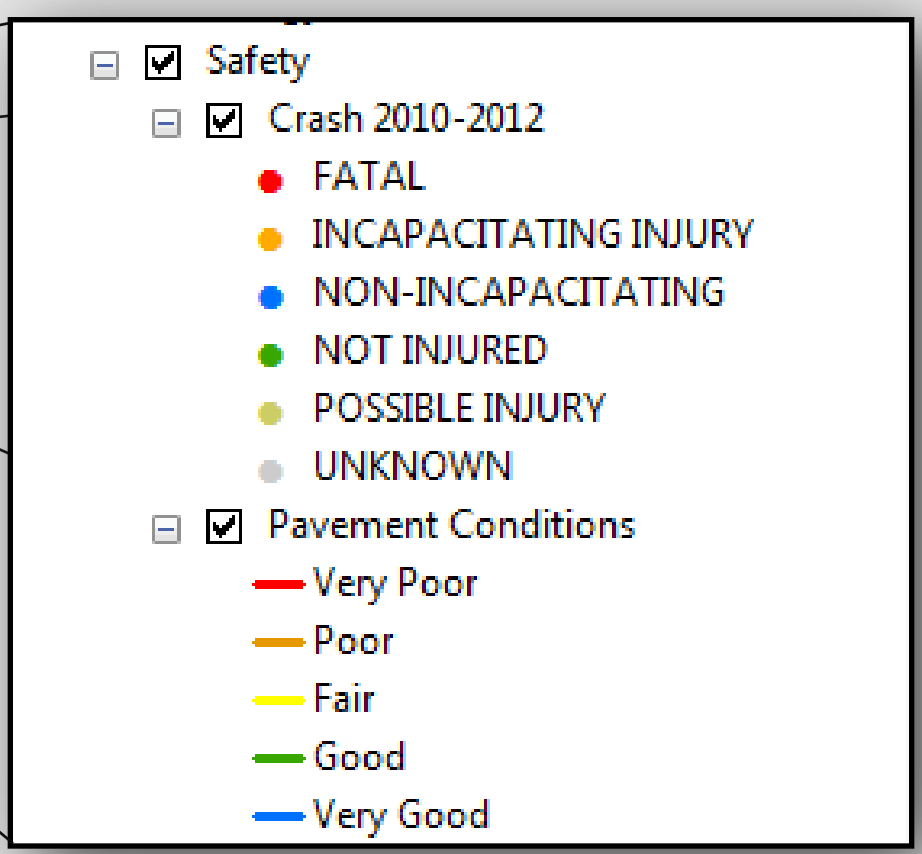
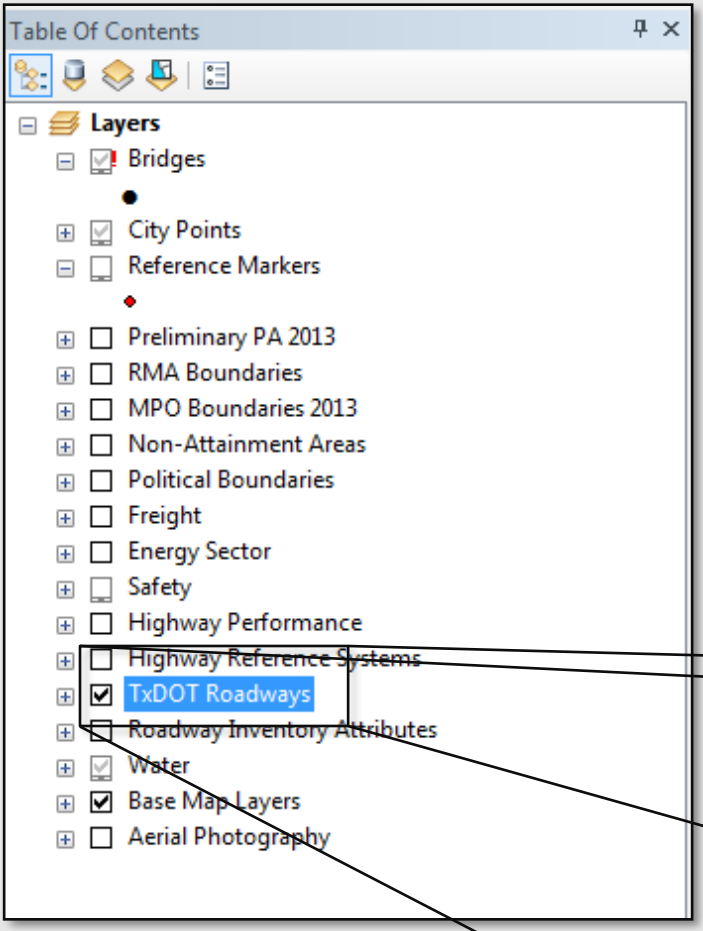


Statewide Planning Map – Roadway Group Layer



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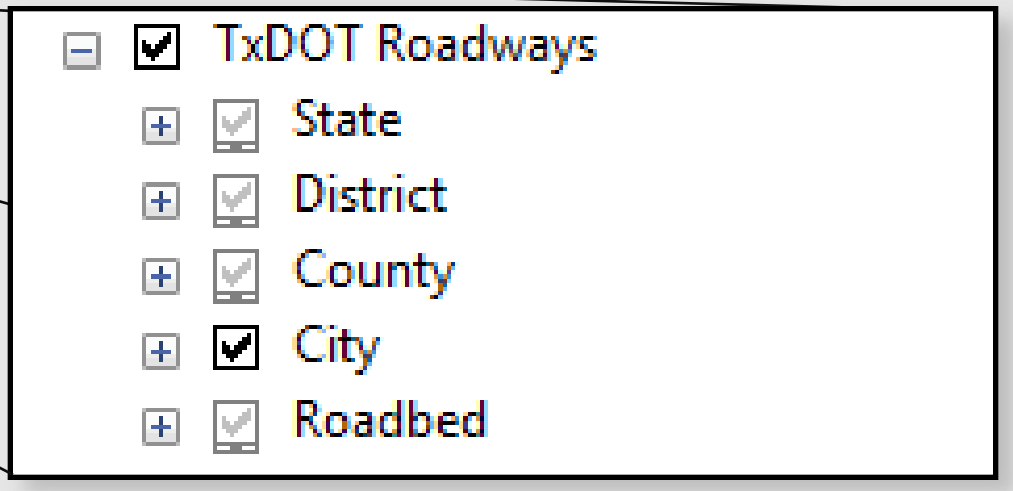

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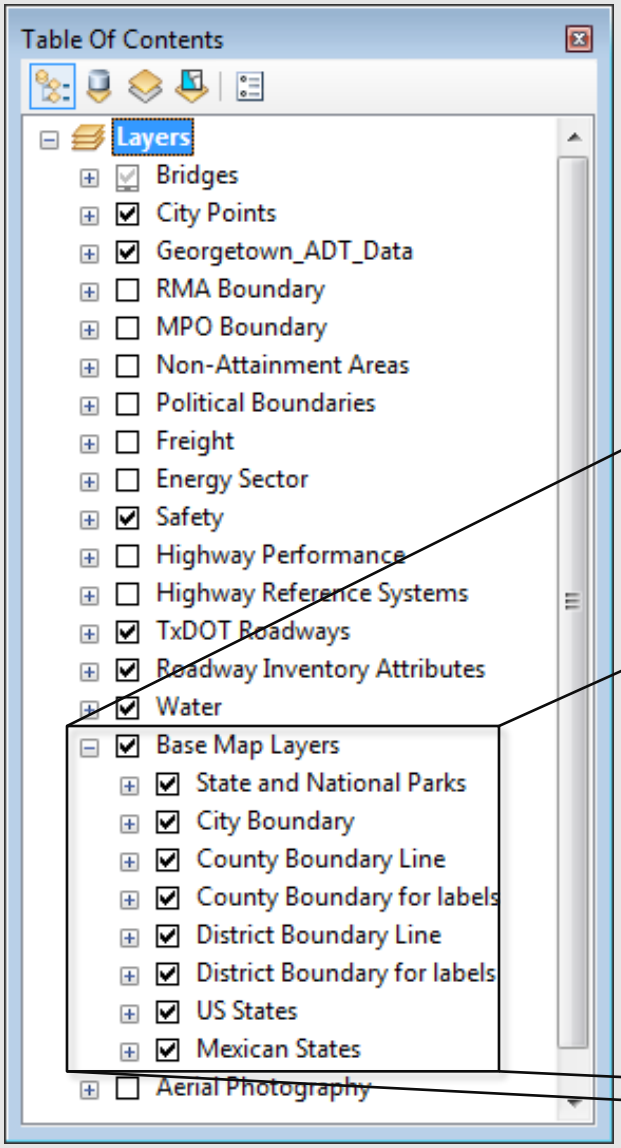

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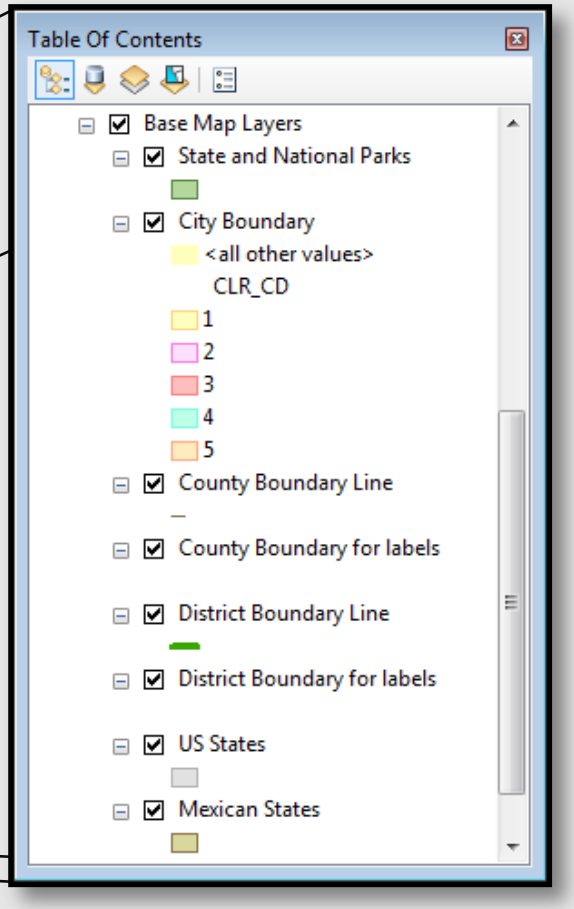
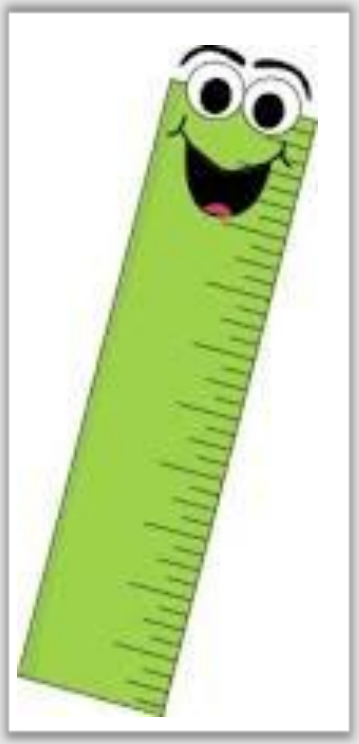


Statewide Planning Map – Tools

Interactive Tools

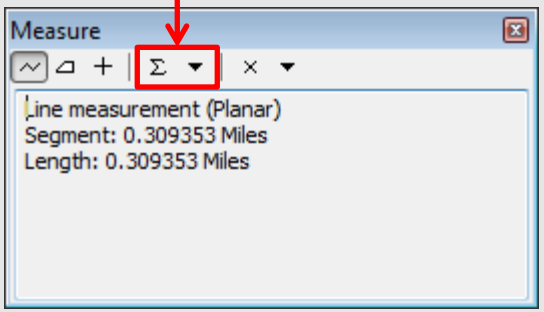
- Creating Custom Data
  - Queries
  - Export Shapefile
  - Create Selection Layer
  - Symbology
- Add other spatial data to a map
- Find DFO's
- Measure Tools
- Create a PDF Map



Spatial Data

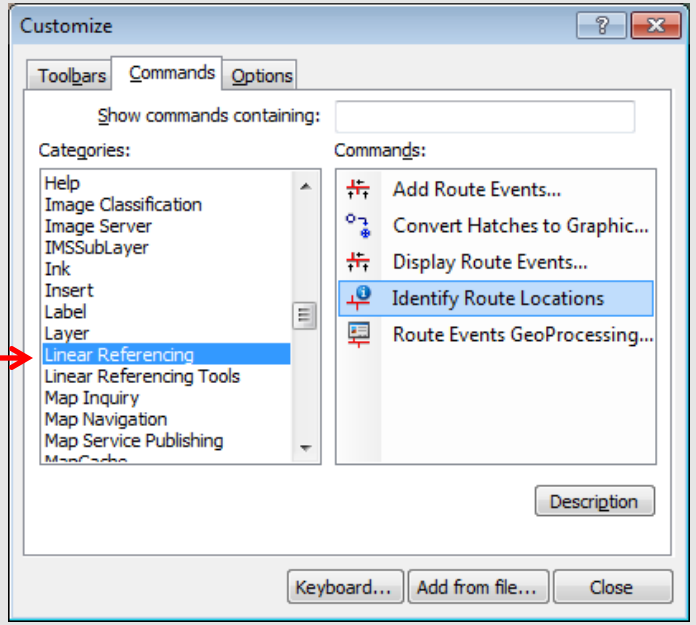
Measure Tool

- Measure distances between highways or other landmarks
- Can adjust measure value between units



Route Identify Tool for Route DFO

- Returns the DFO value from the point the user clicks on the line
- Not on standard tool bar; must be added



Spatial Data – Create Your Own

Why?

- Provides users the ability to create data that fits their specific needs

How?

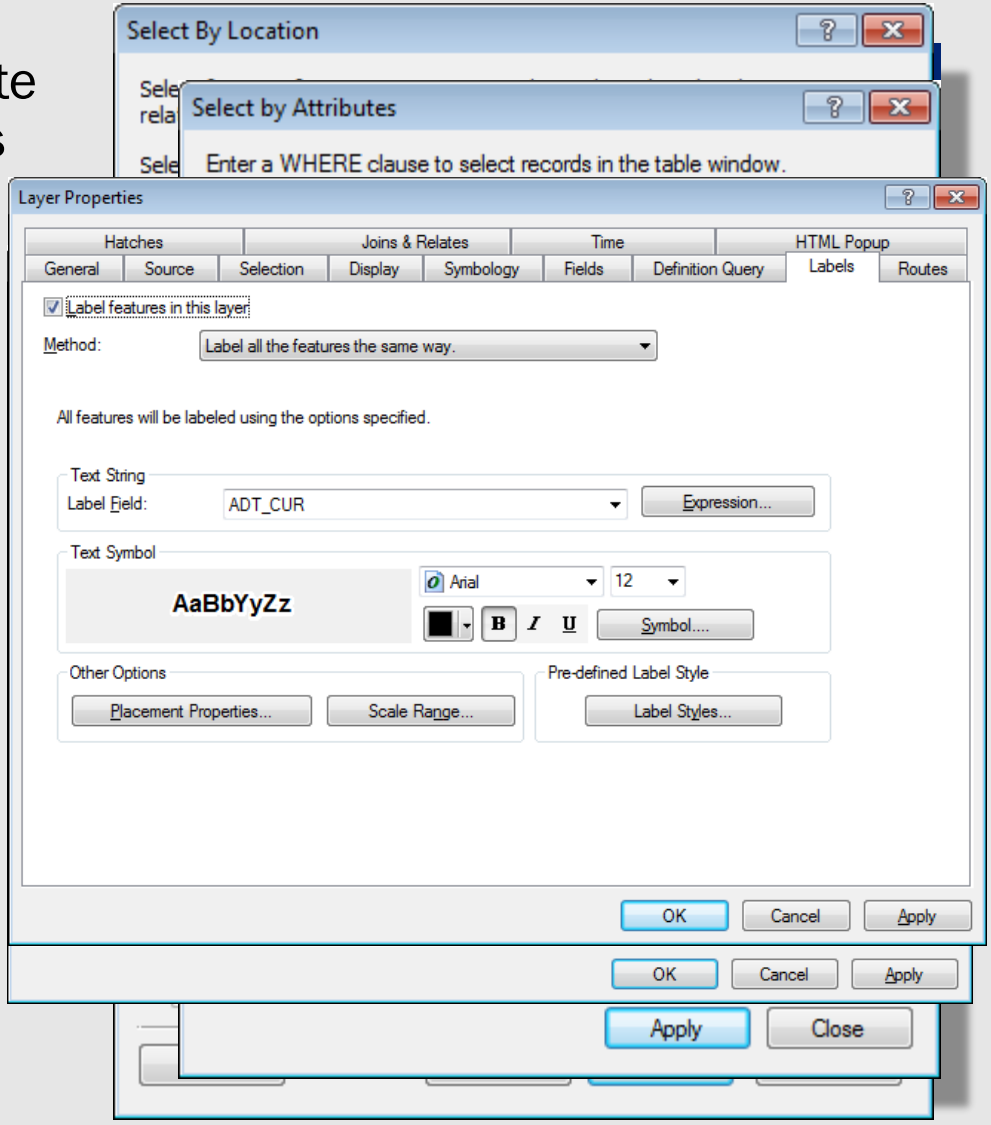
- Data Queries
  - *Definition Queries*
  - *Selection Queries*
  - *Spatial Queries*

Represent data in meaningful ways

- Create custom symbologies
- Custom label styles
- Show what is important

Result:

- Custom maps!



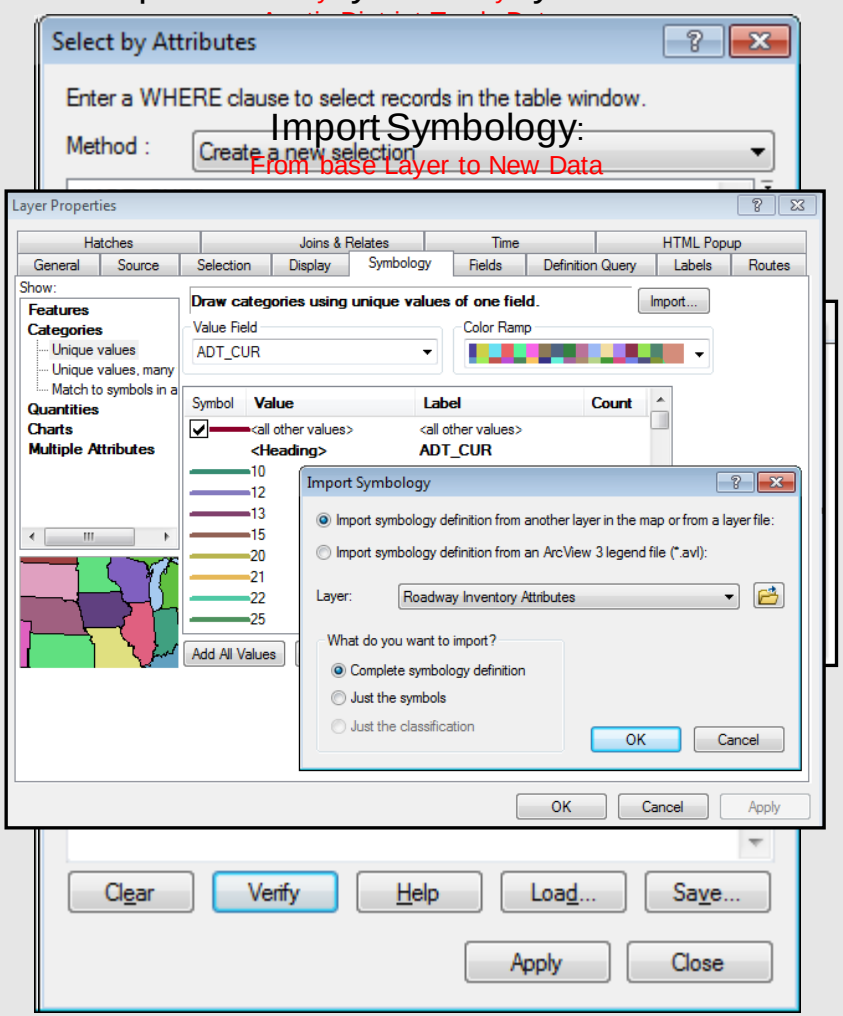
Spatial Data

Querying Data

- Find the answers you need!
  - *Query and view roadway attributes and roadbed features*
- Exporting data
  - *Create and share custom datasets*
  - *Create tables and reports*
- Create selection layers
  - *Select and edit subsets of data*
  - *Can edit sets of records in the original dataset without losing the selection*

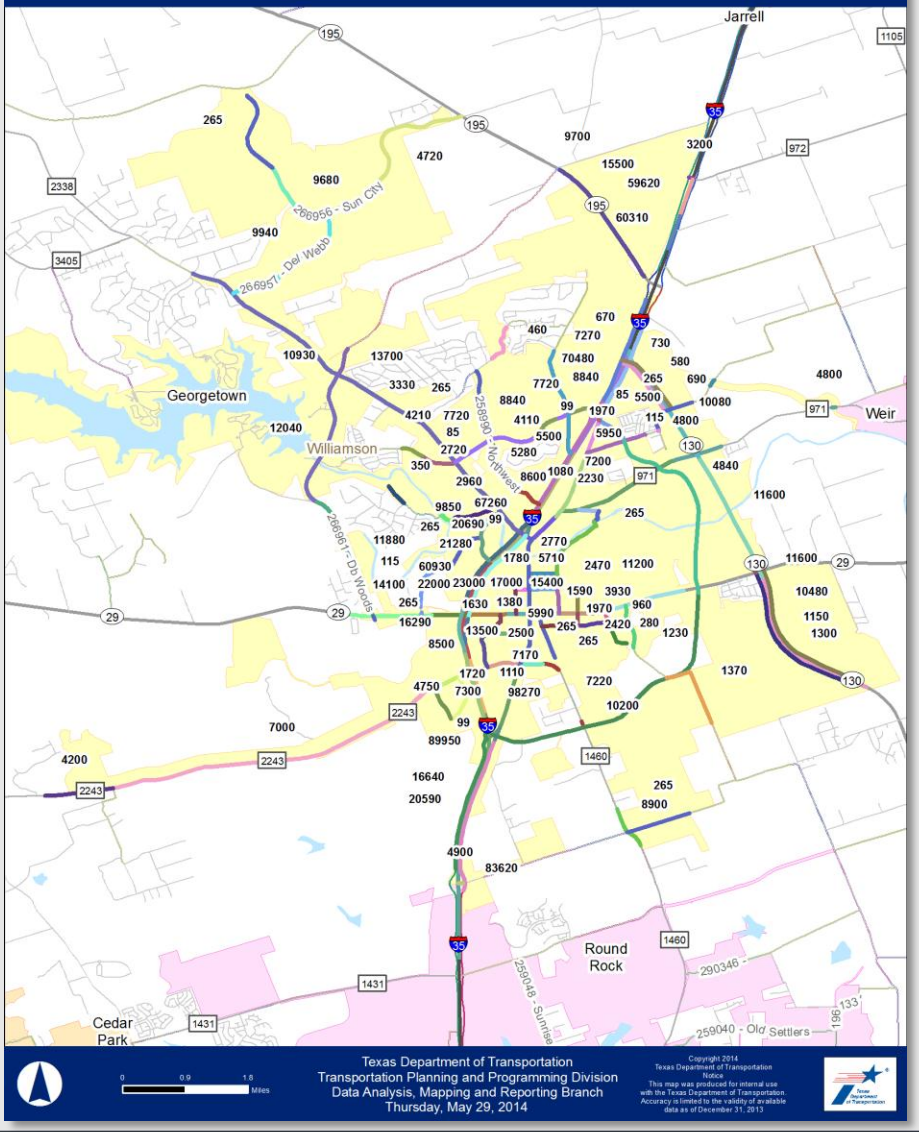
Map Symbology

- Import from other layer
- Control the look/feel of the map

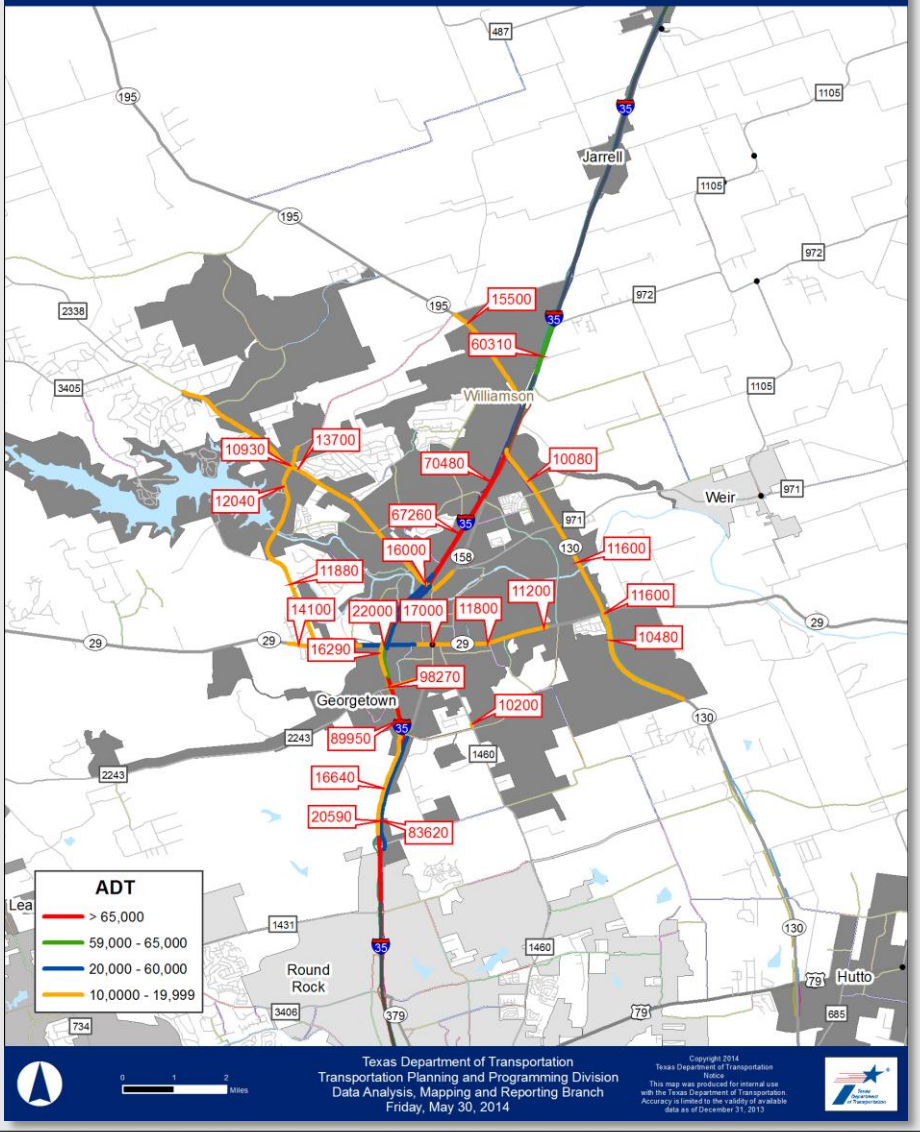


Customizing Maps

Georgetown Average Daily Traffic



High Traffic Roadways - Georgetown



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- Reference Markers for Specific Highways
- County Roads within a Specific County
- Frontage Road and Roadbed Data
- Centerline Files
- District, County, or City Data
- Functionally Classified Streets
- Distances
- DFO Values

- **Find the answers with ArcMap!**

THANK YOU!

Mike Zugelder
Jennifer Sylvester

Texas Department of Transportation
(512) 486-5052 | TPP-GIS@txdot.gov

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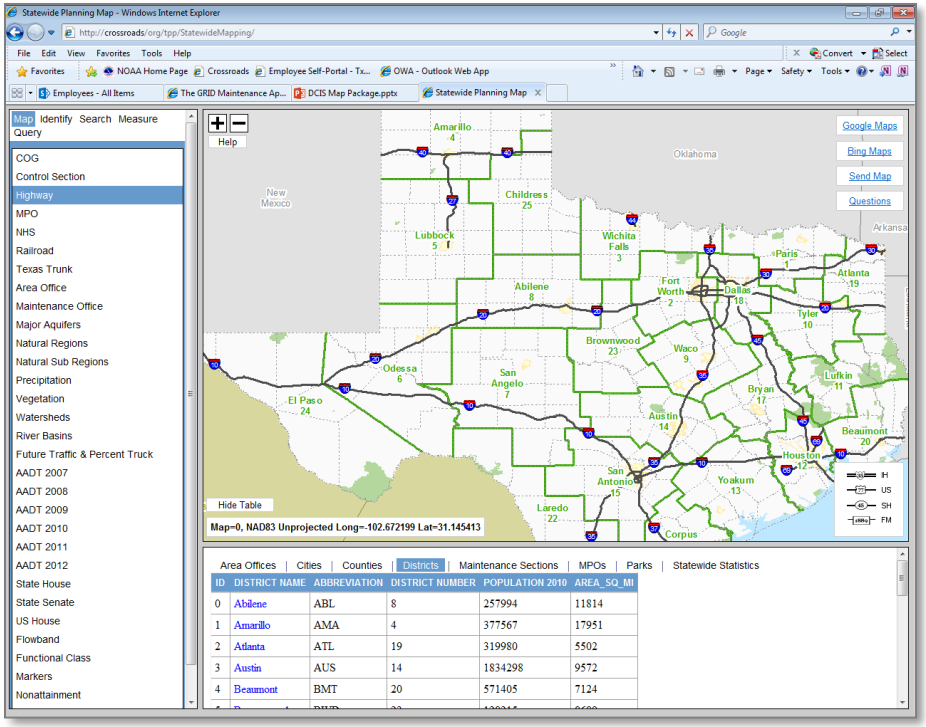

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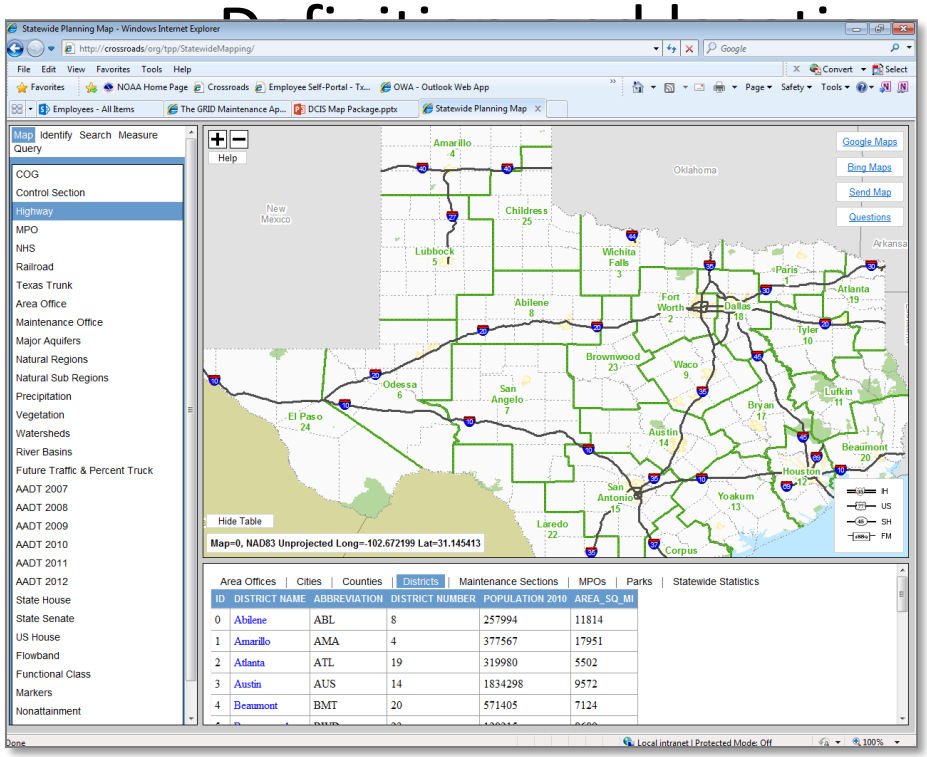

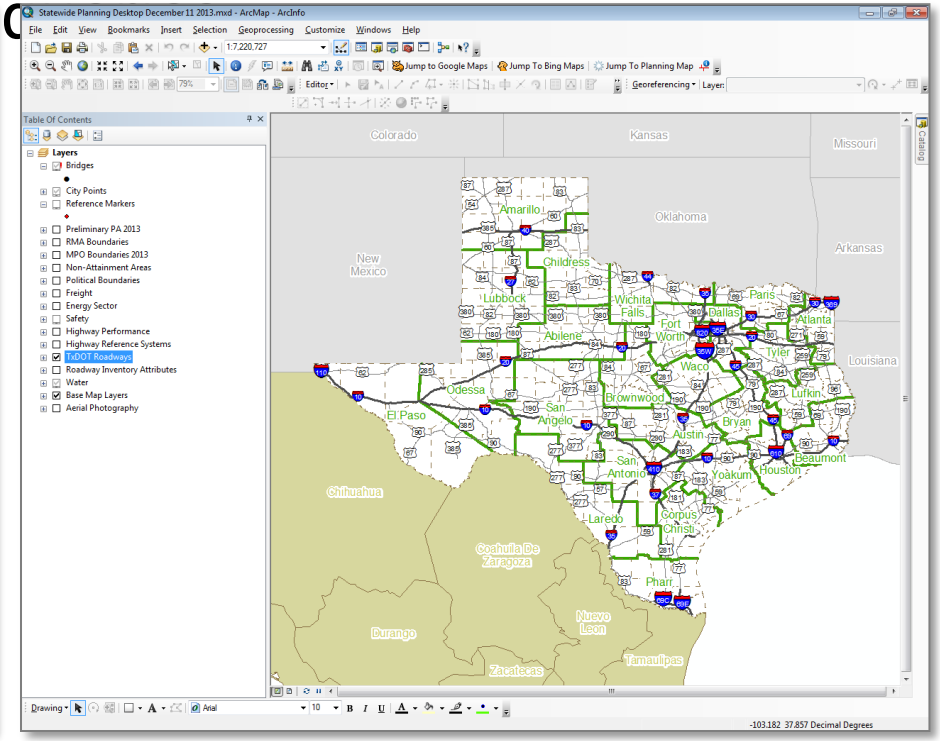

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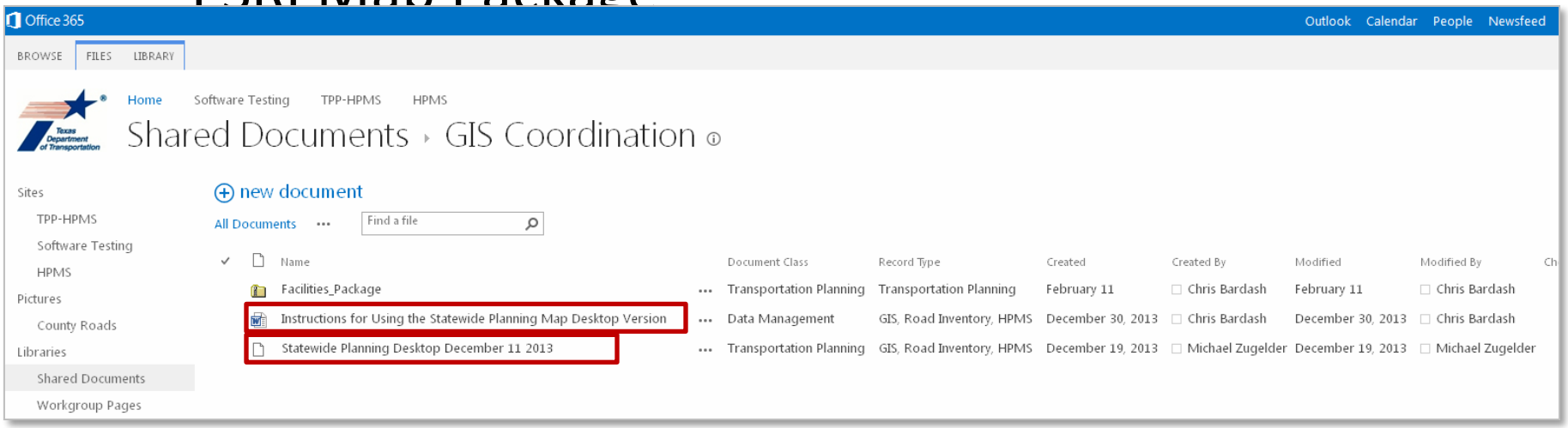

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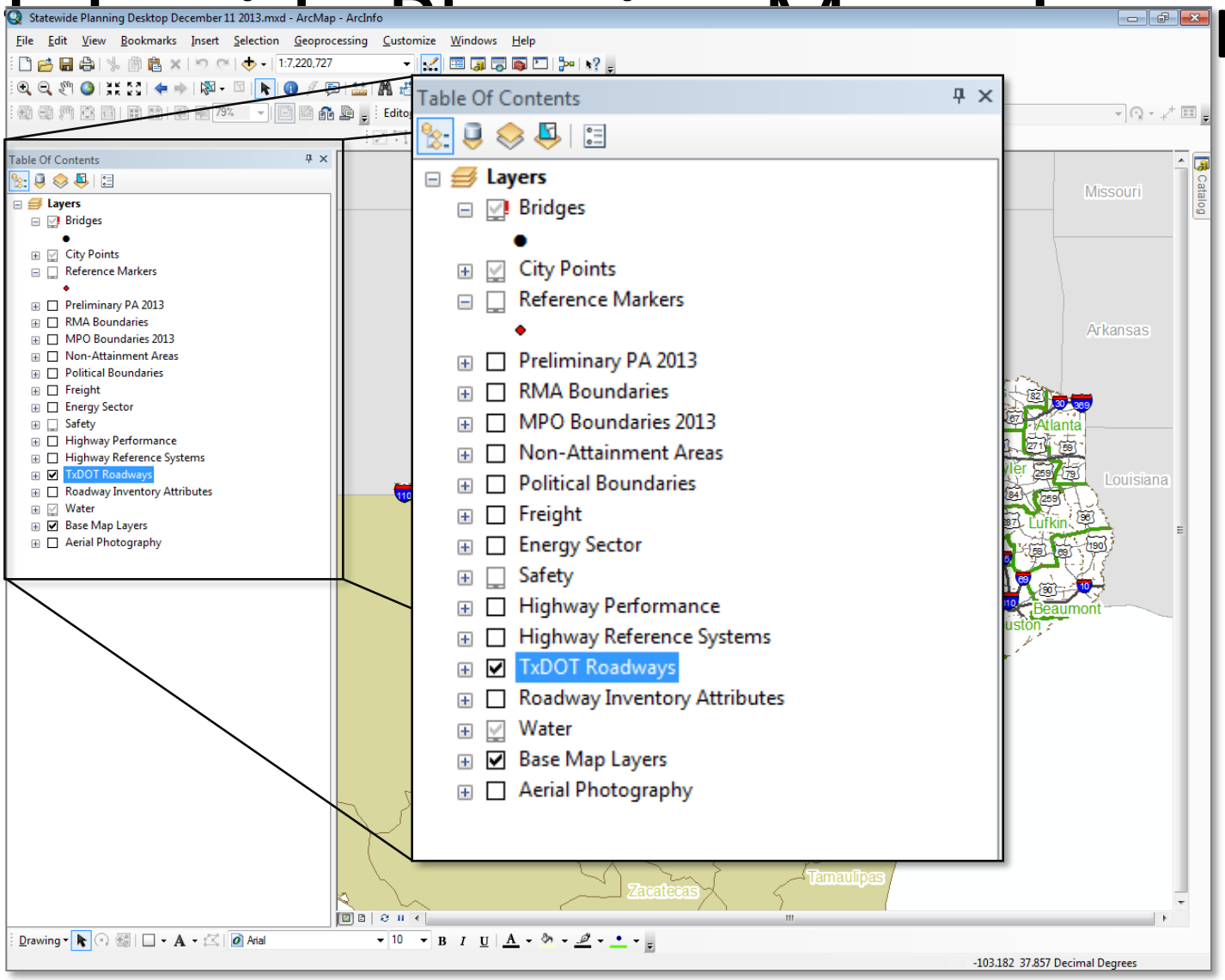
Statewide Planning Desktop December 11 2013.mxd - ArcMap - ArcInfo
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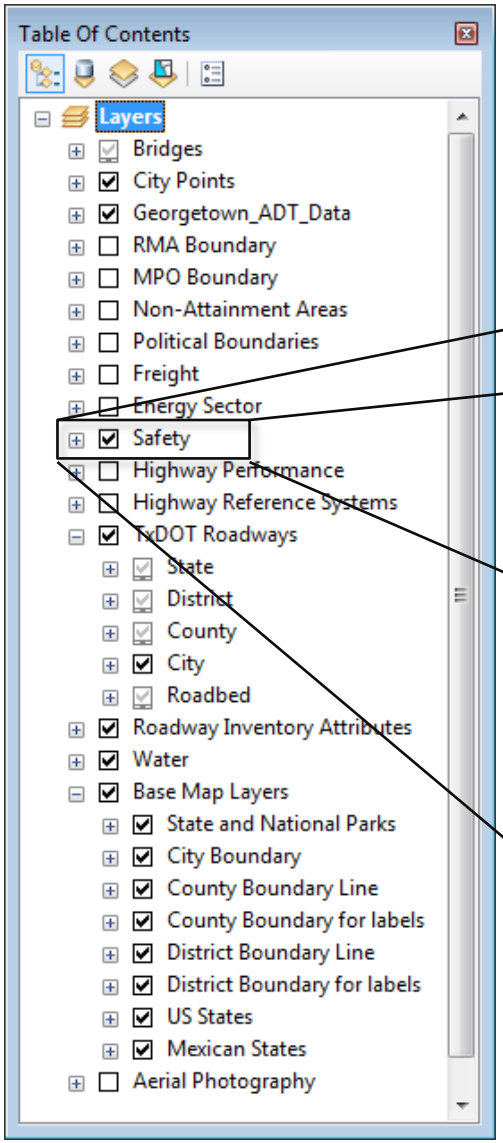

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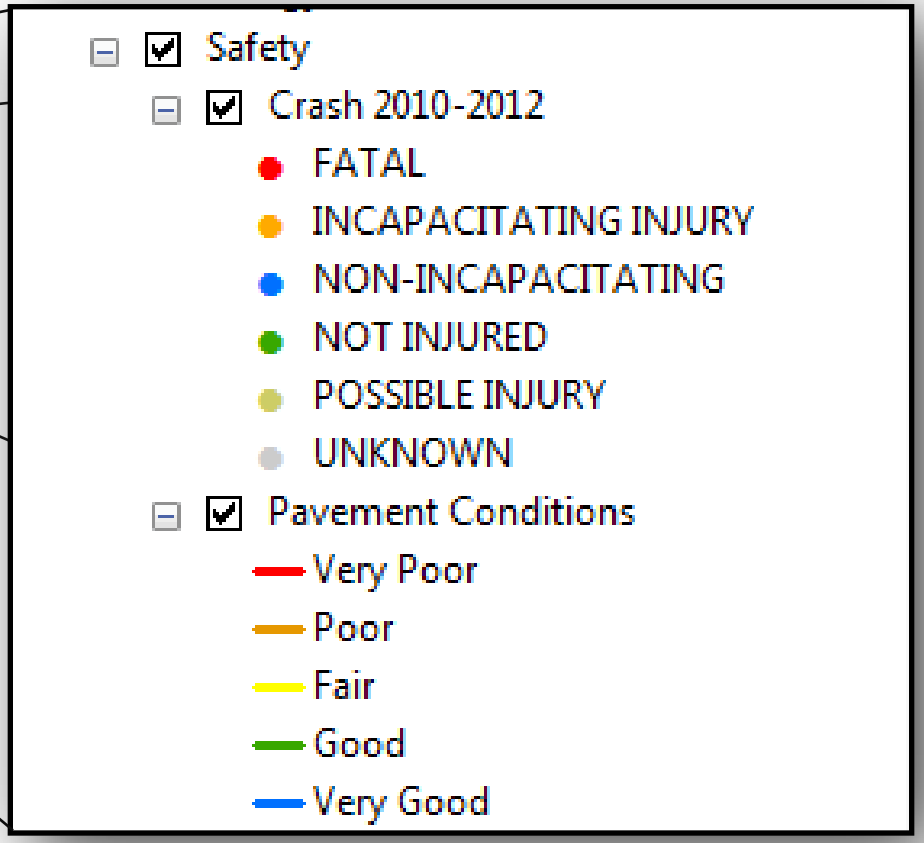

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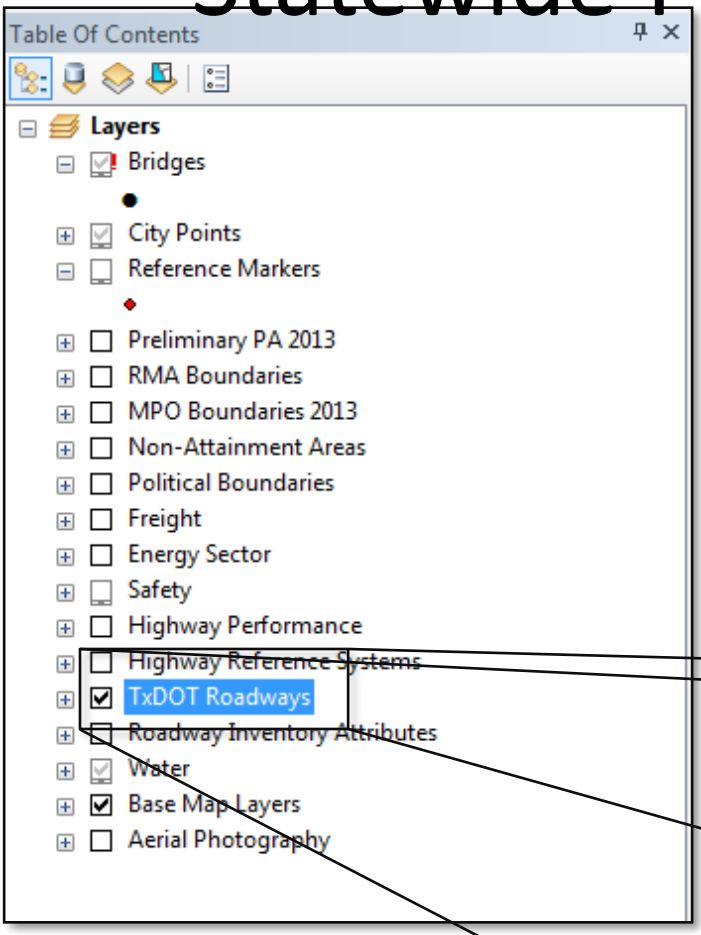

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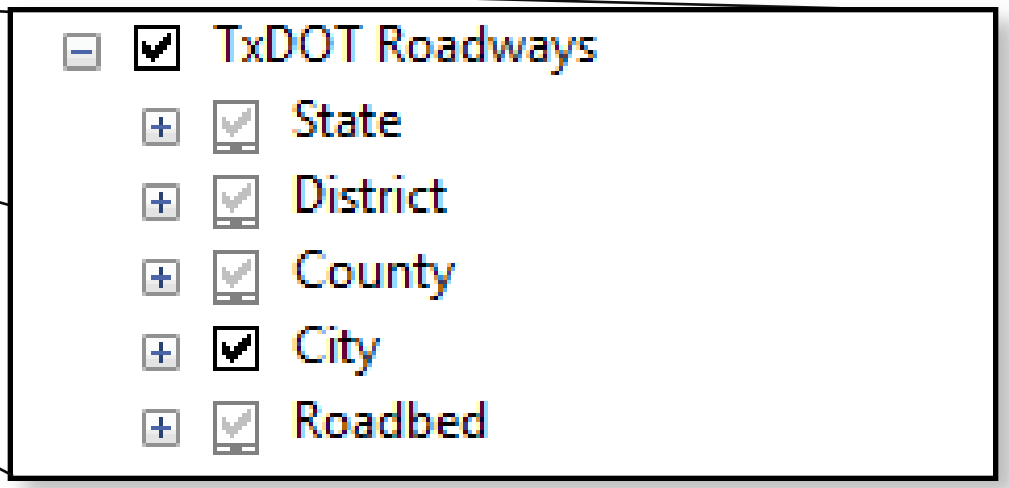

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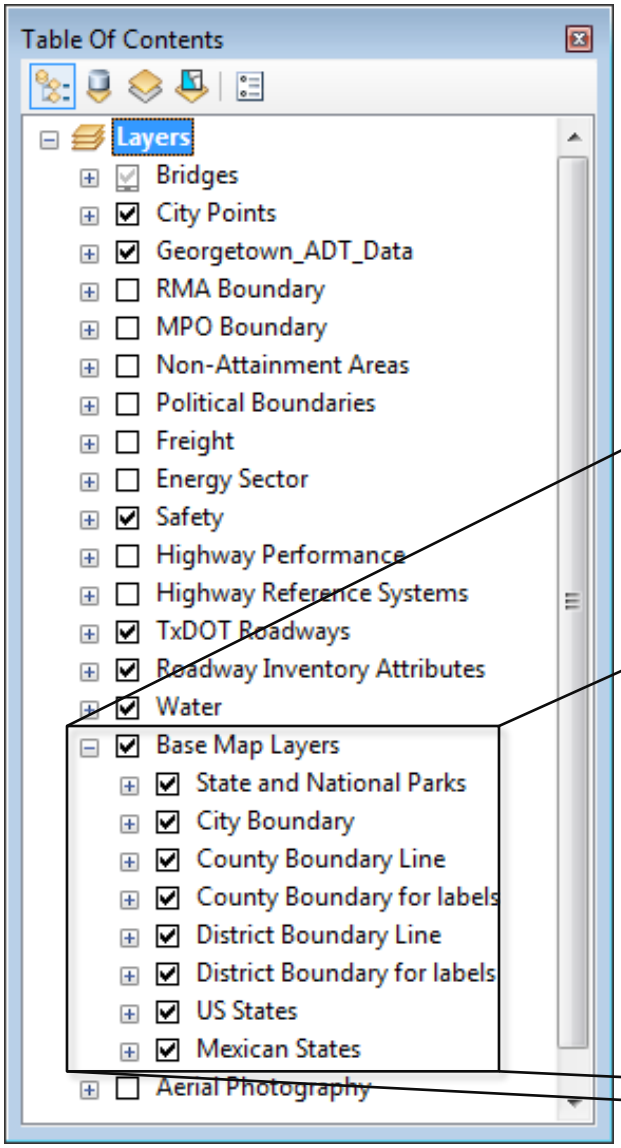

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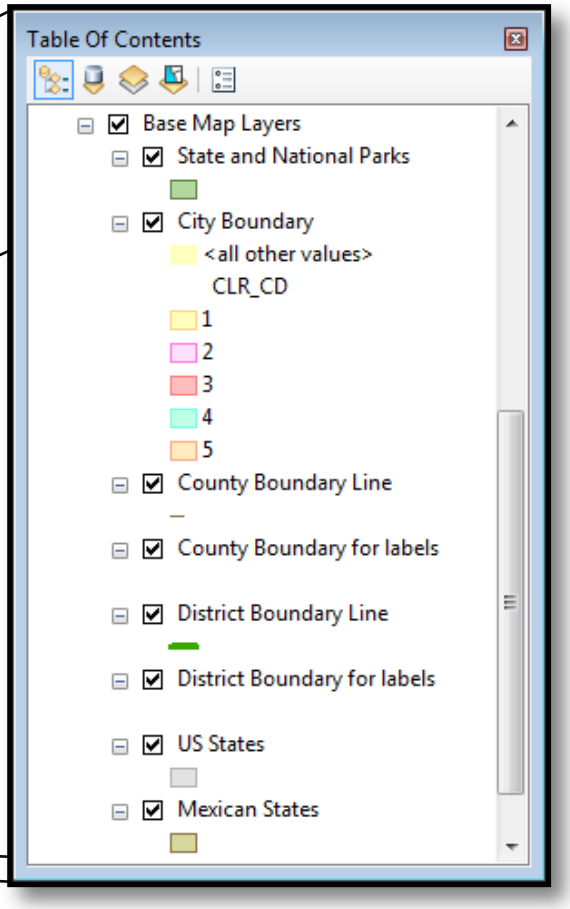

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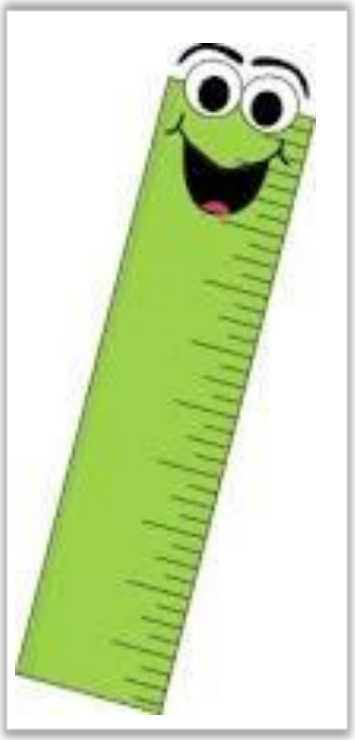

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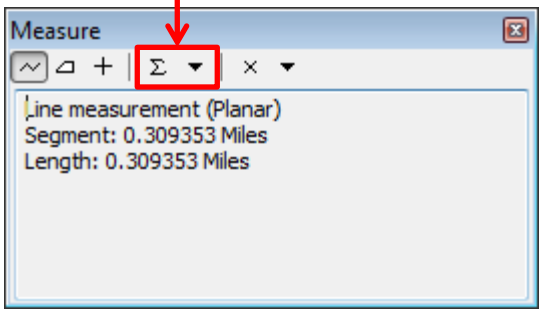

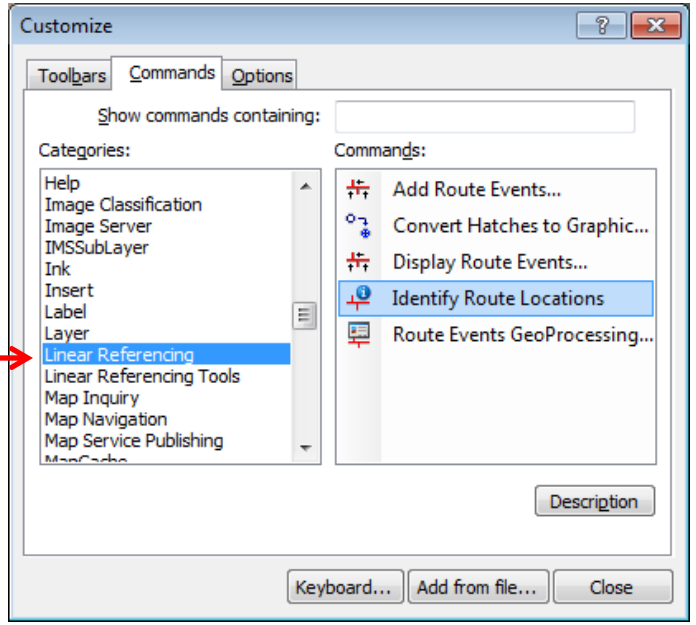

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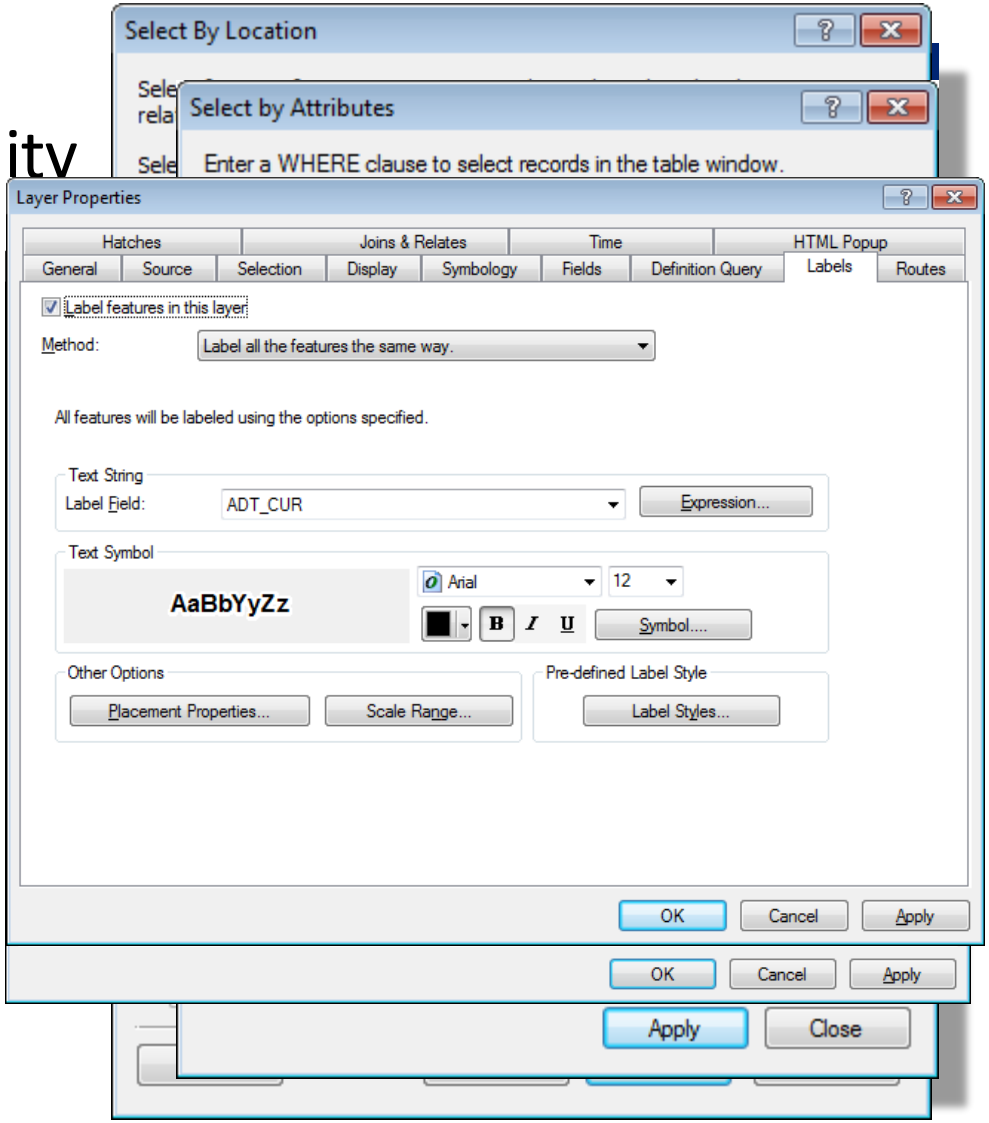

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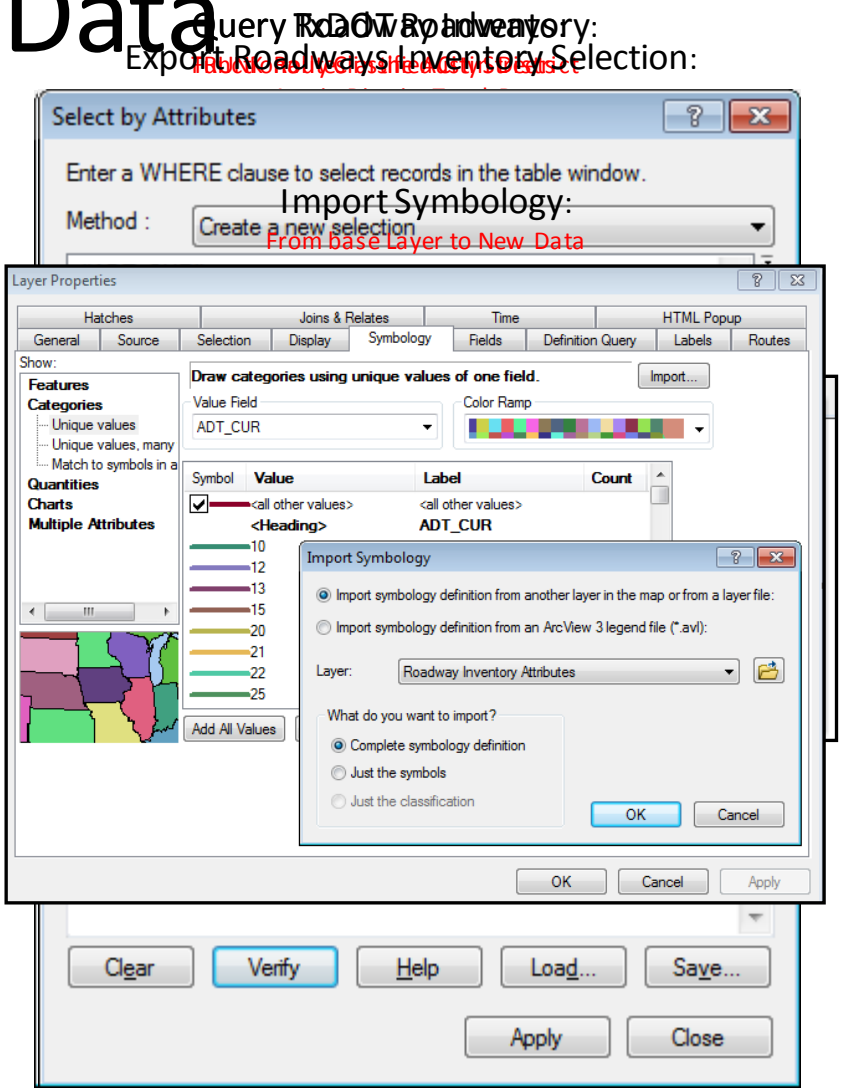

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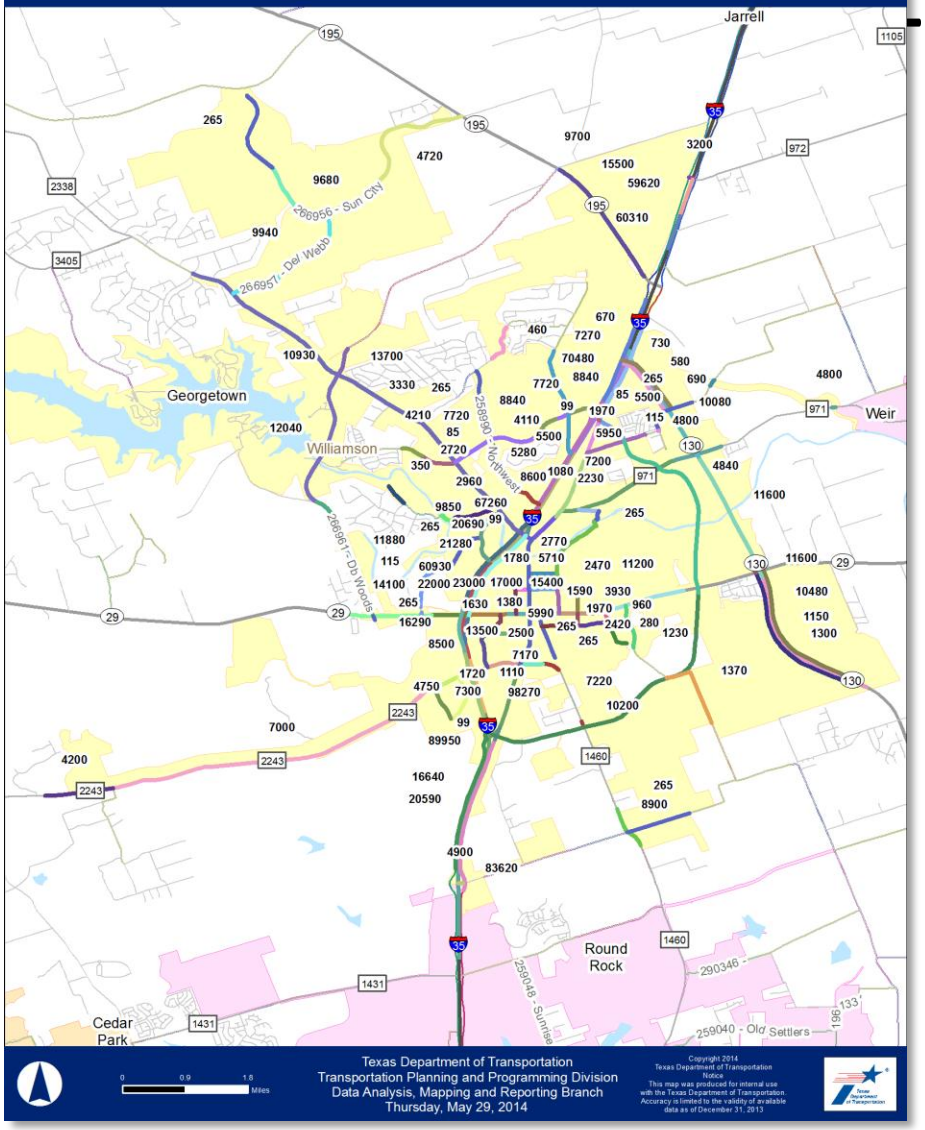

Texas Department of Transportation
Transportation Planning and Programming Division
Data Analysis, Mapping and Reporting Branch
Thursday, May 29, 2014

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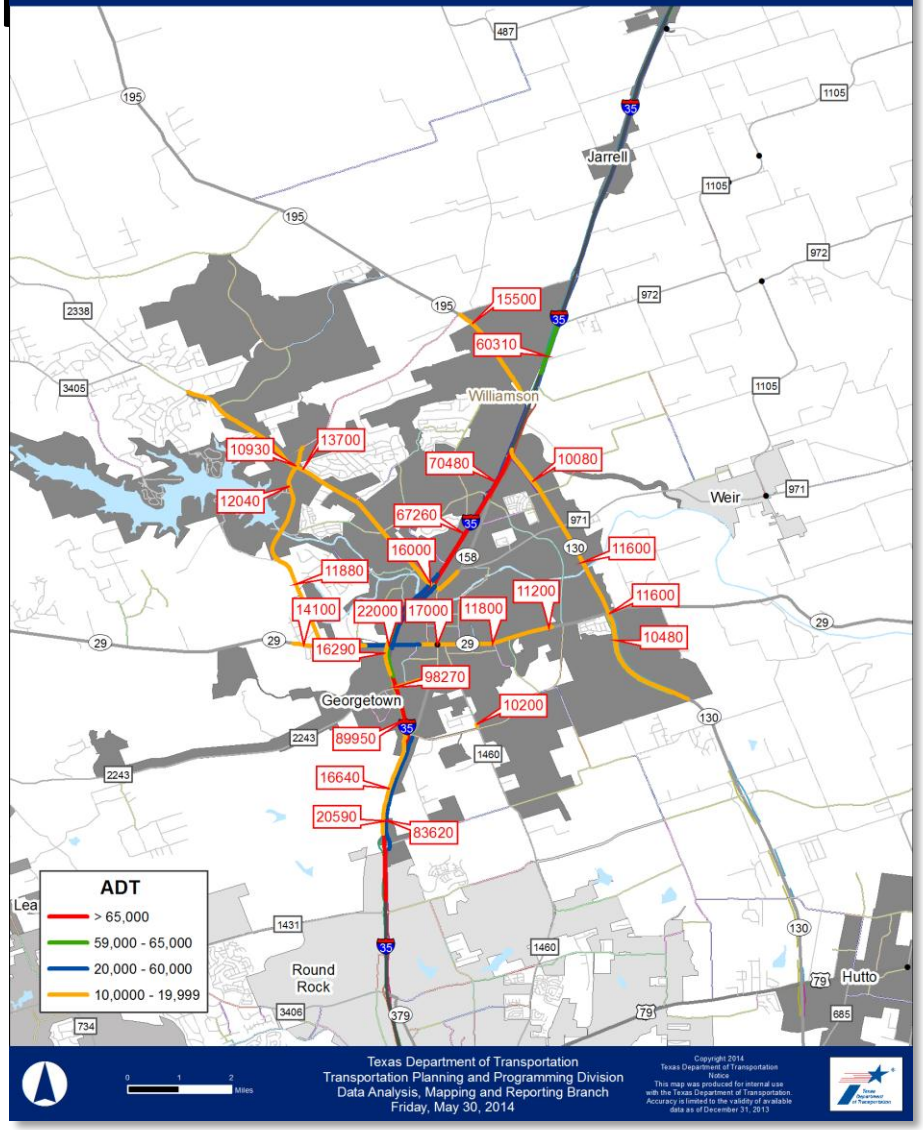

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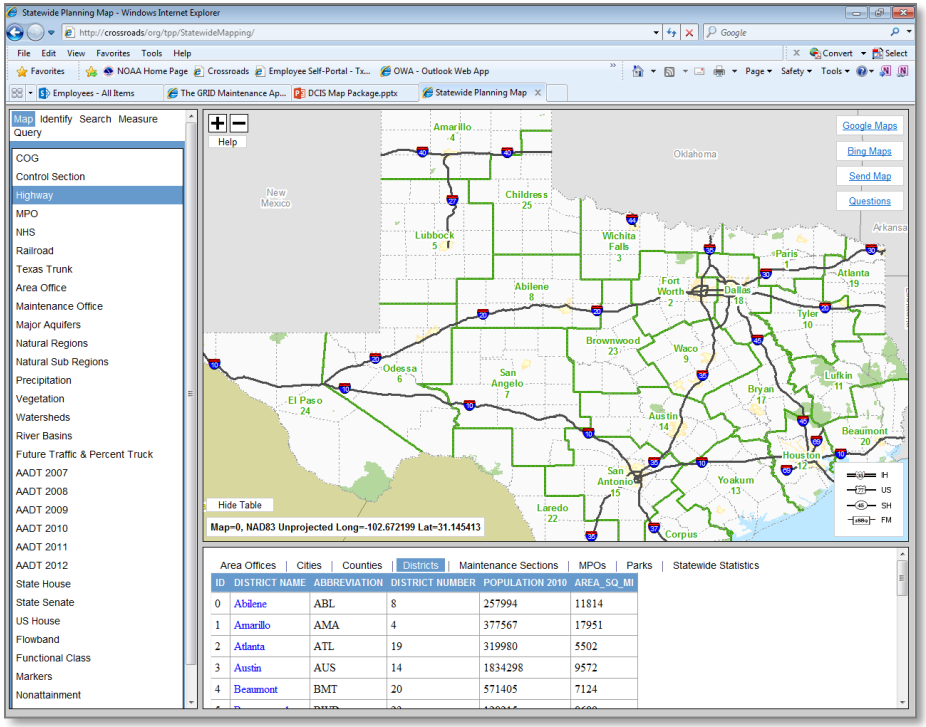

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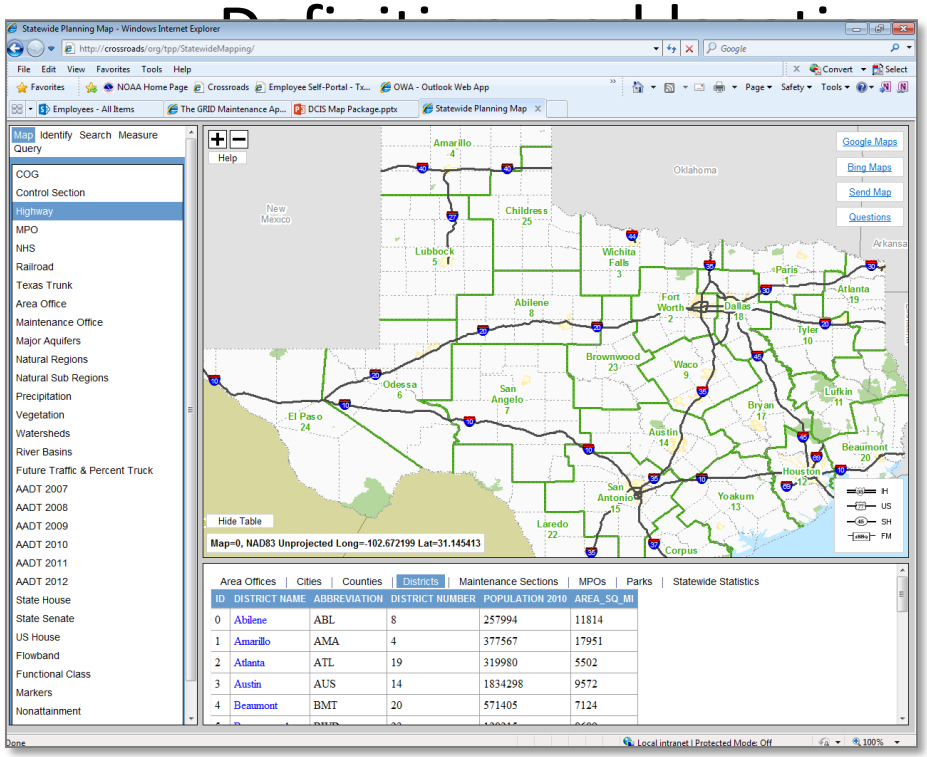

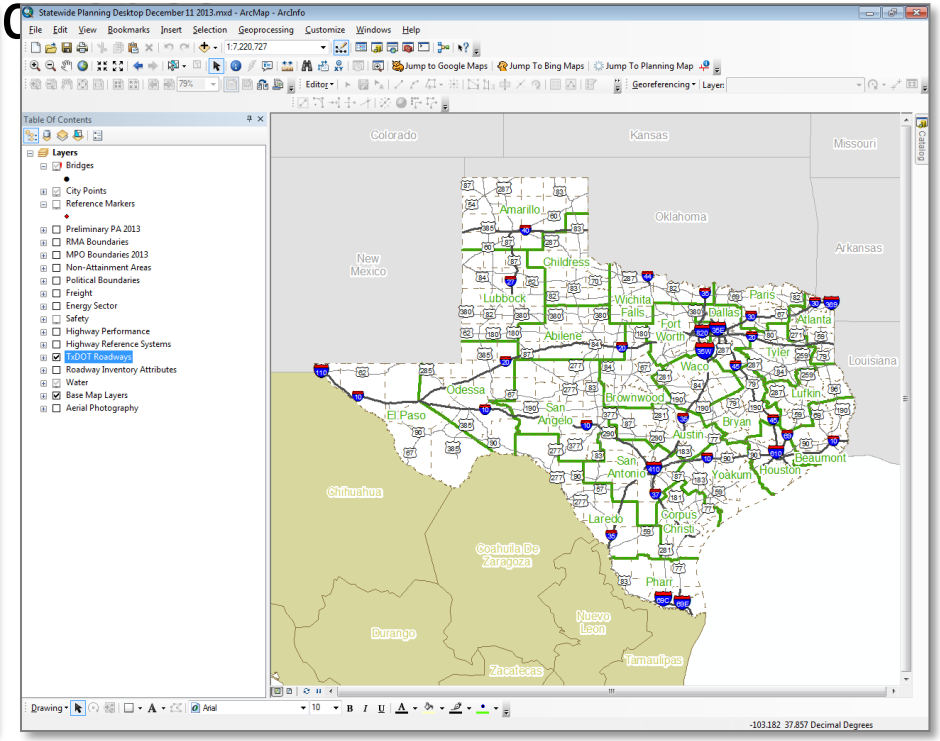

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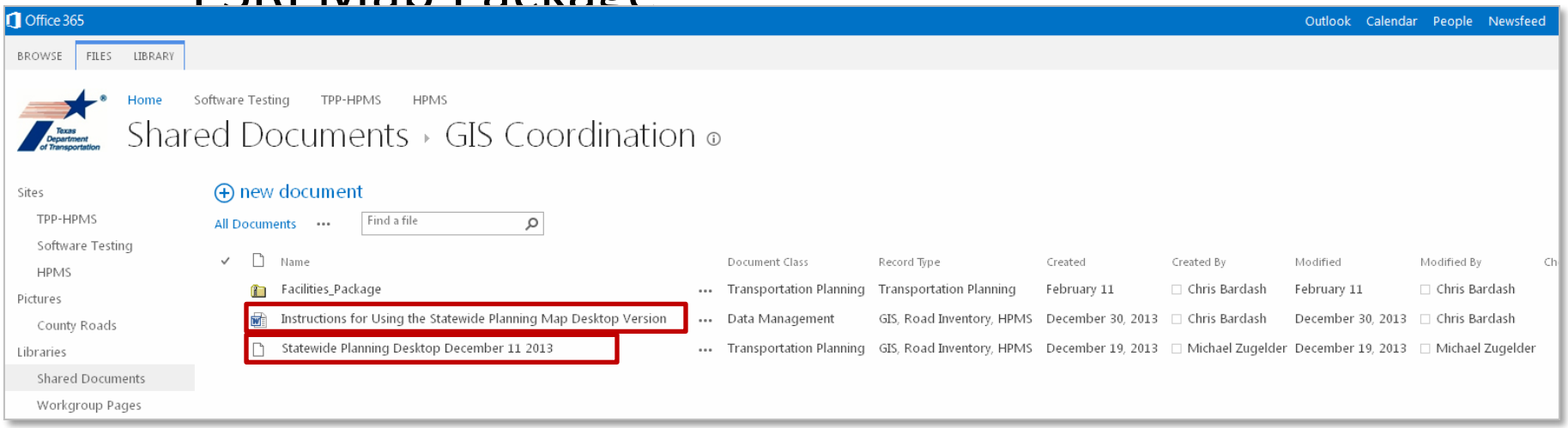

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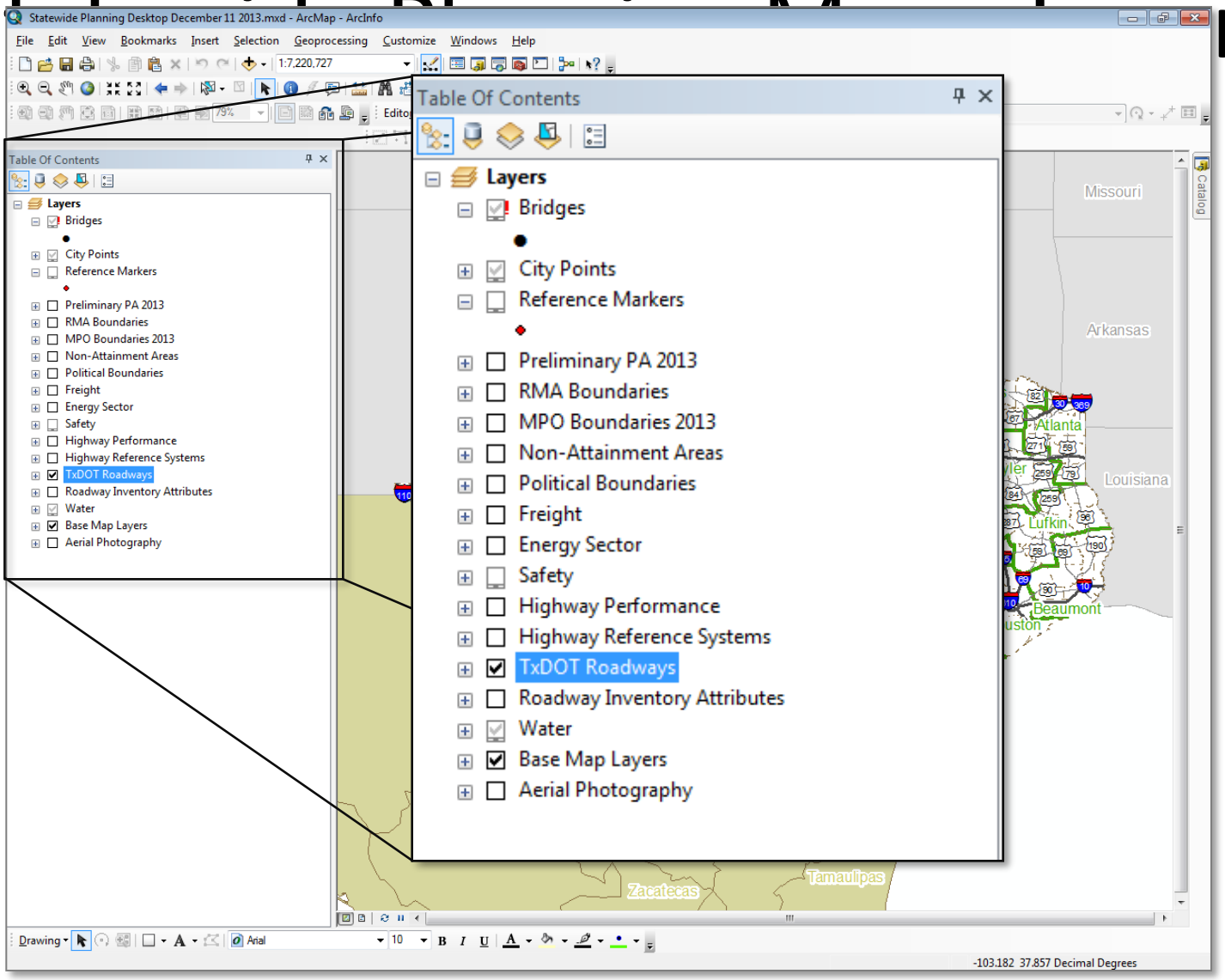
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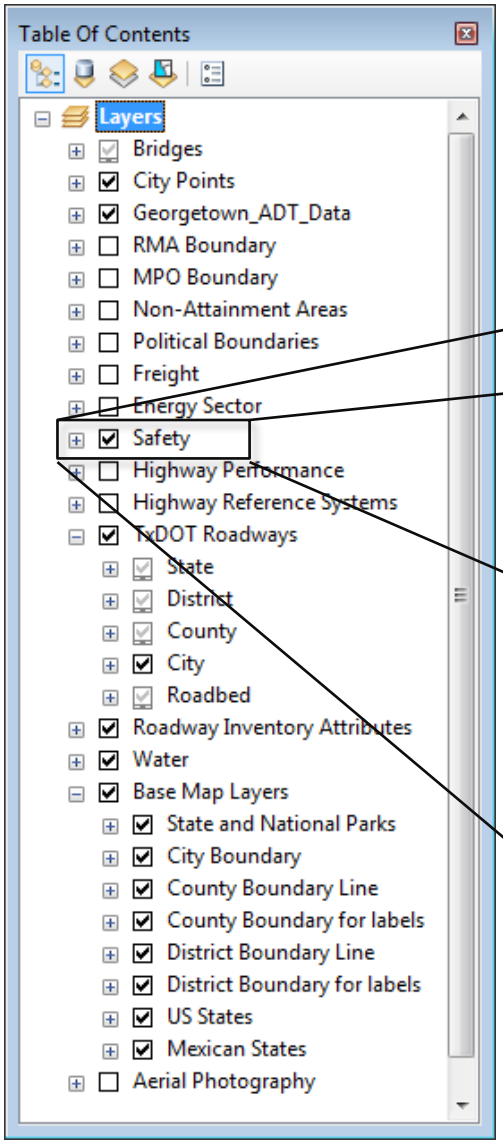

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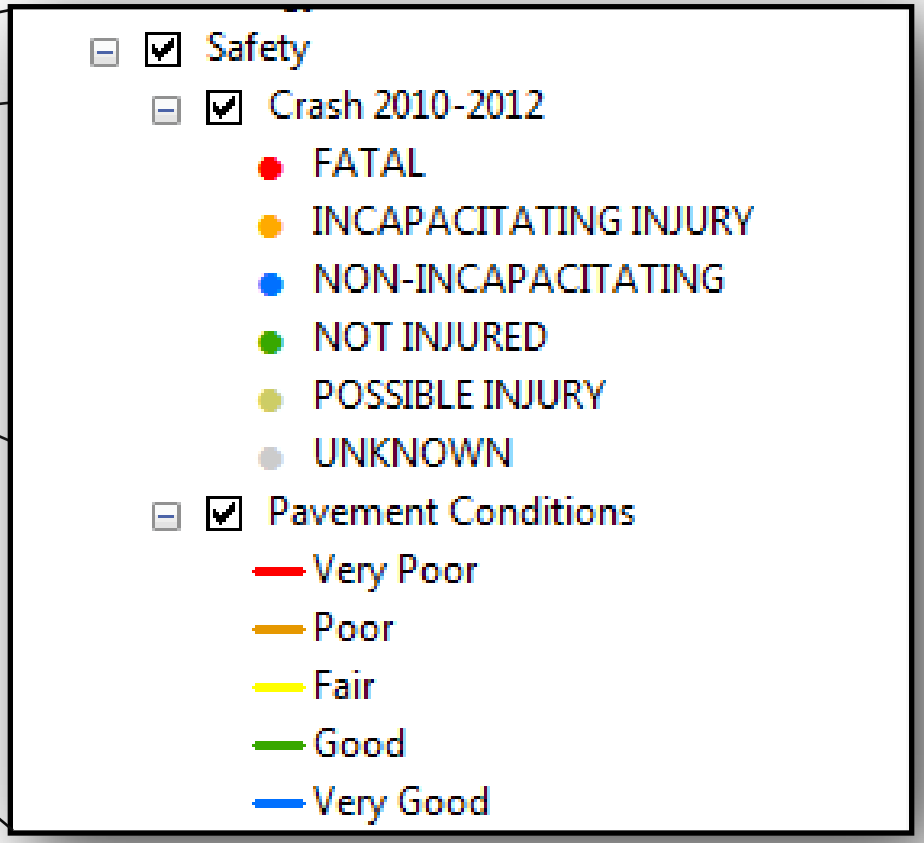

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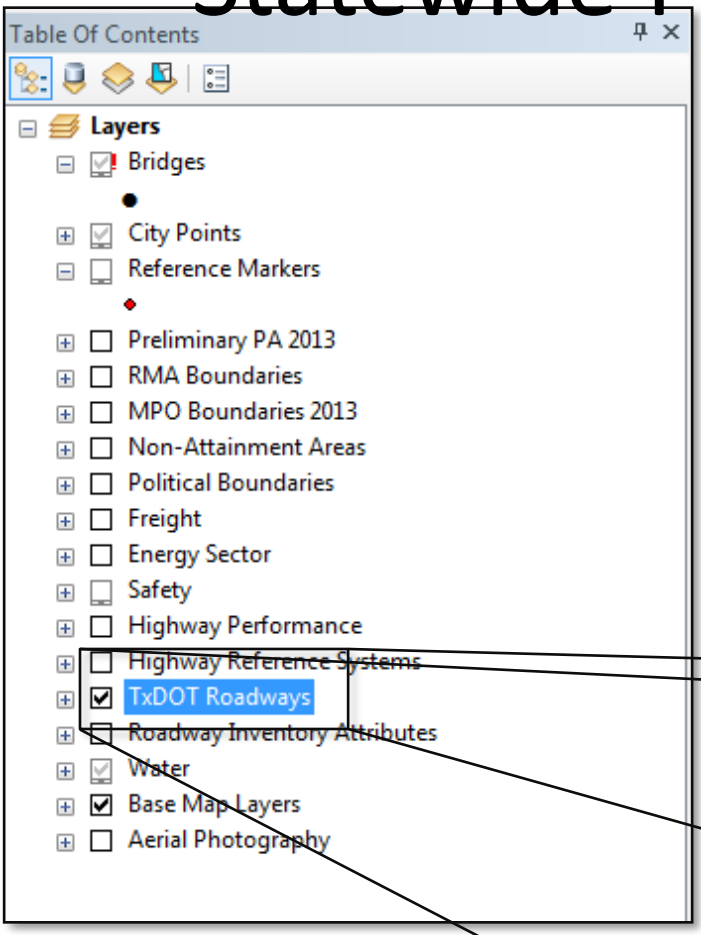

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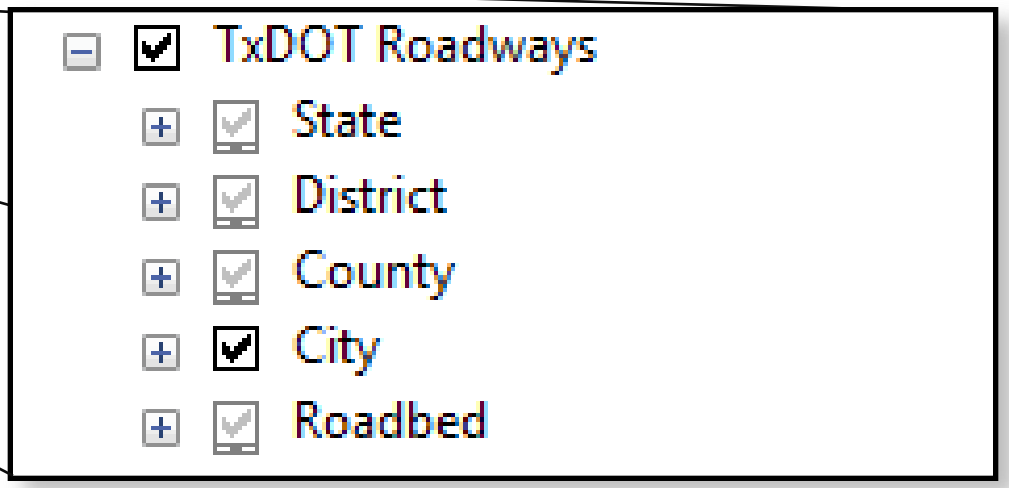
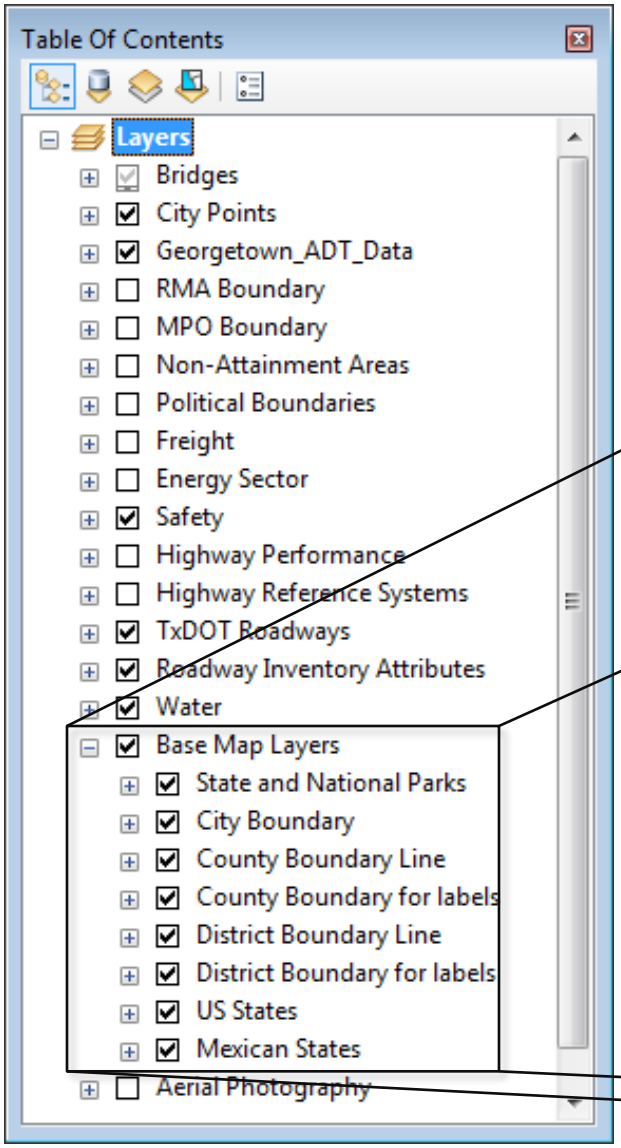
- Each group only displays at specific scale ranges
- This makes labeling and map views much easier to scale for mapping purposes



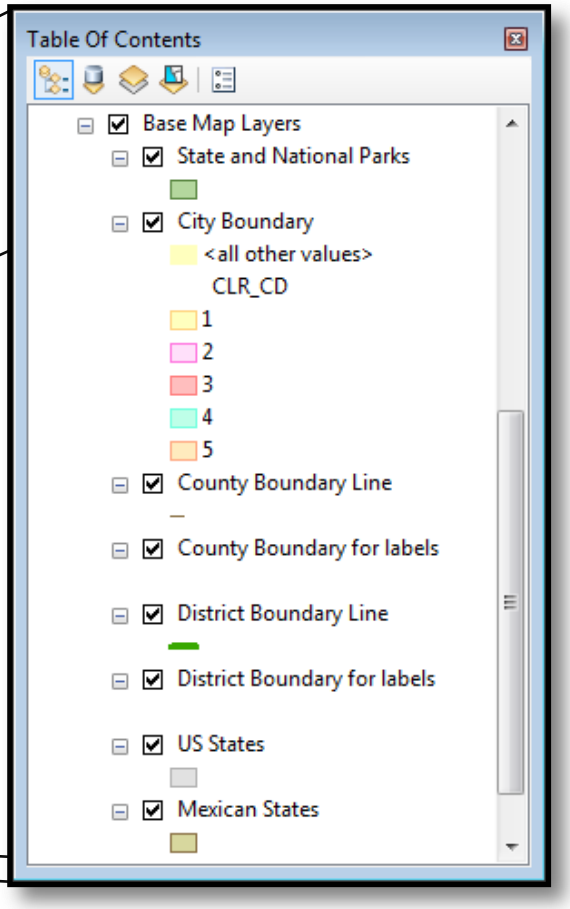
Statewide Planning Map – Base Map Layers



What are they?

- The layers that create the style of the map
- Grouped together

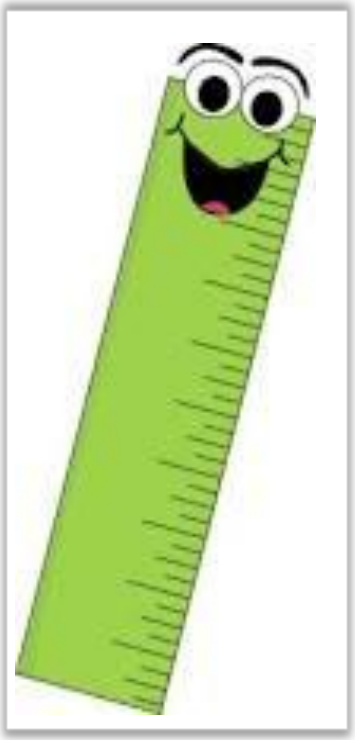
- Boundary lines
- Polygons for labels
- Can be queried/used in analysis



Statewide Planning Map – Tools

Interactive Tools

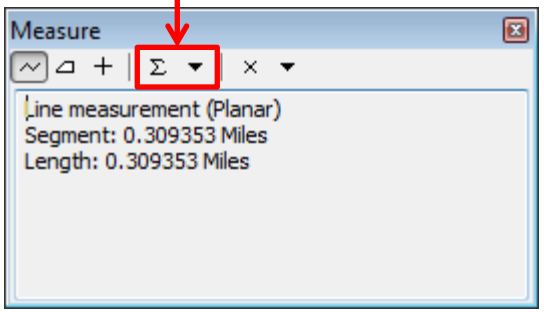
- Creating Custom Data
  - Queries
  - Export Shapefile
  - Create Selection Layer
  - Symbology
- Add other spatial data to a ma
- Find DFO's
- Measure Tools
- Create a PDF Map

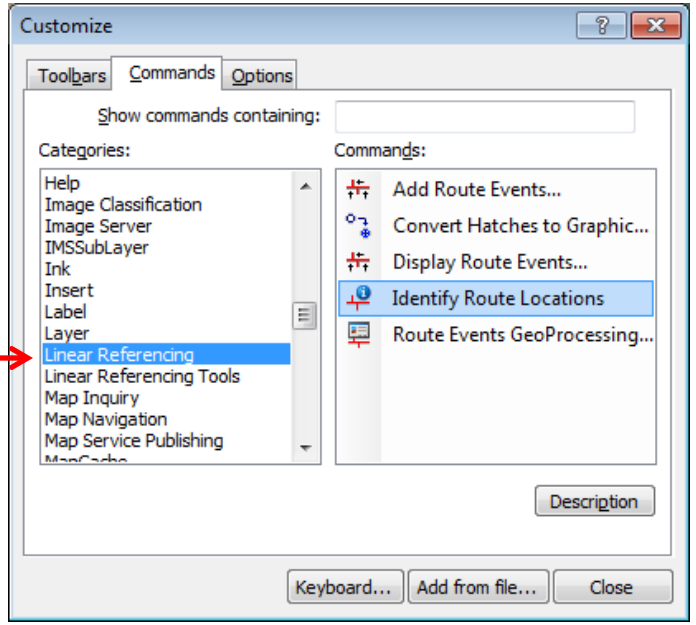


Spatial Data

Measure Tool

- Measure distances between highways or other landmarks
- Can adjust measure value between units





Route Identify Tool for Route DFO

- Returns the DFO value

Spatial Data – Create Your Own

Why?

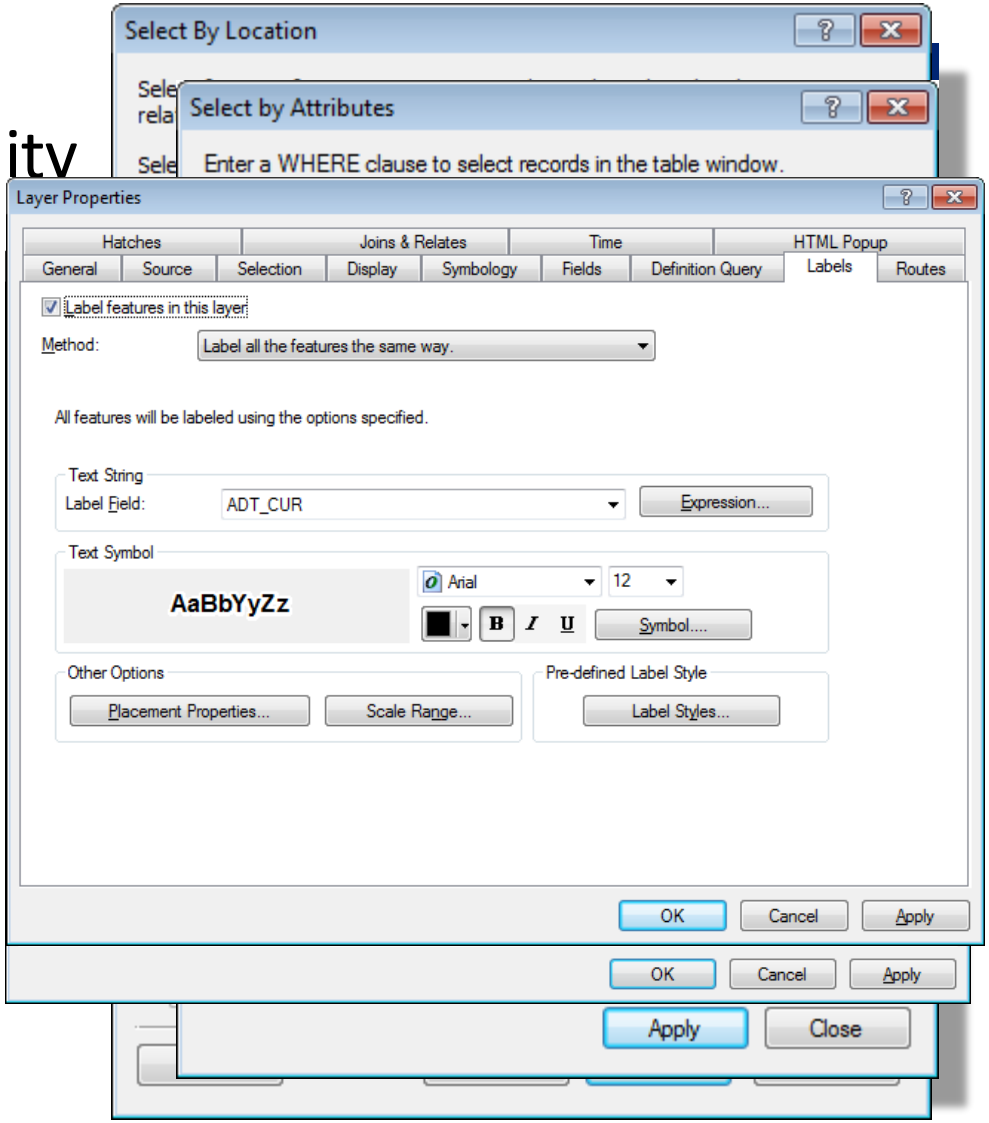
- Provides users the ability to create data that fits their specific needs

How?

- Data Queries
  - *Definition Queries*
  - *Selection Queries*
  - *Spatial Queries*

Represent data in meaningful ways

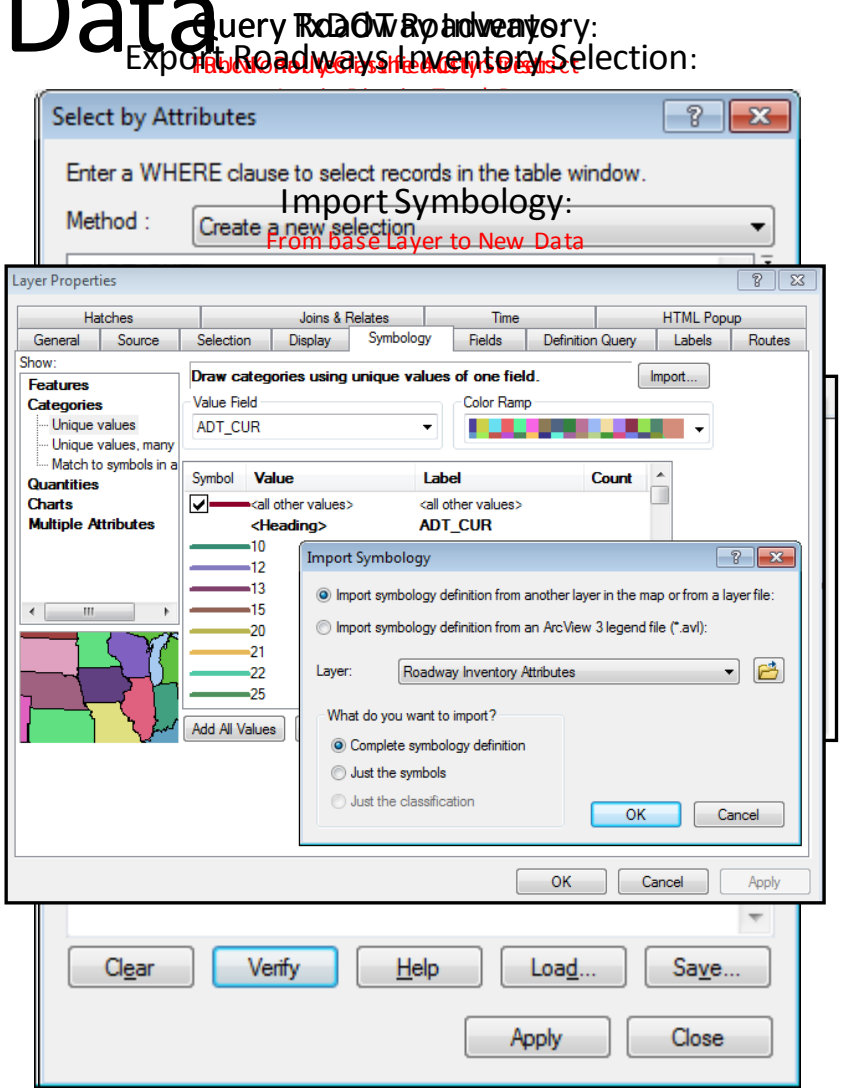
- Create custom symbologies
- Custom label styles



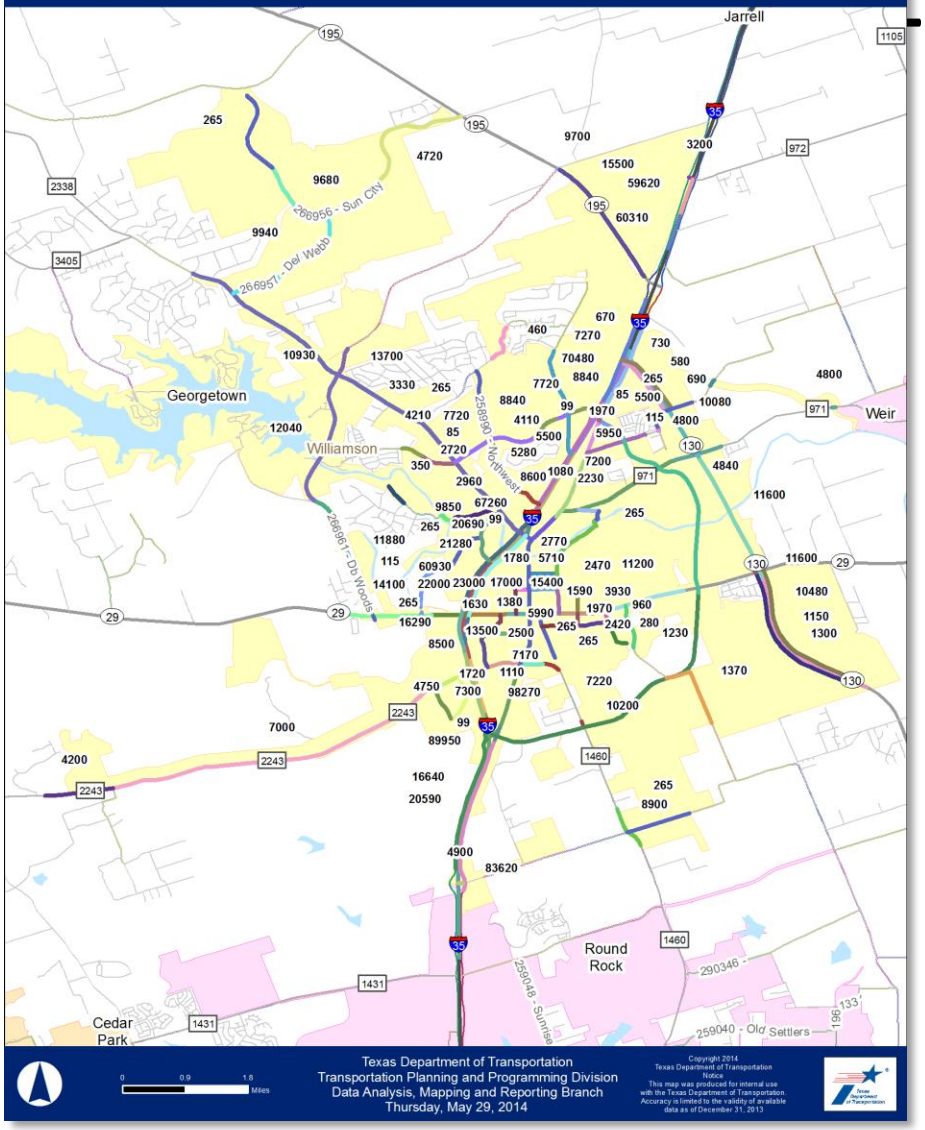
Spatial Data

Querying Data

- Find the answers you need!
  - *Query and view roadway attributes and roadbed features*
- Exporting data
  - *Create and share custom datasets*
  - *Create tables and reports*
- Create selection layers
  - *Select and edit subsets of data*
  - *Can edit sets of records in*



Georgetown Average Daily Traffic



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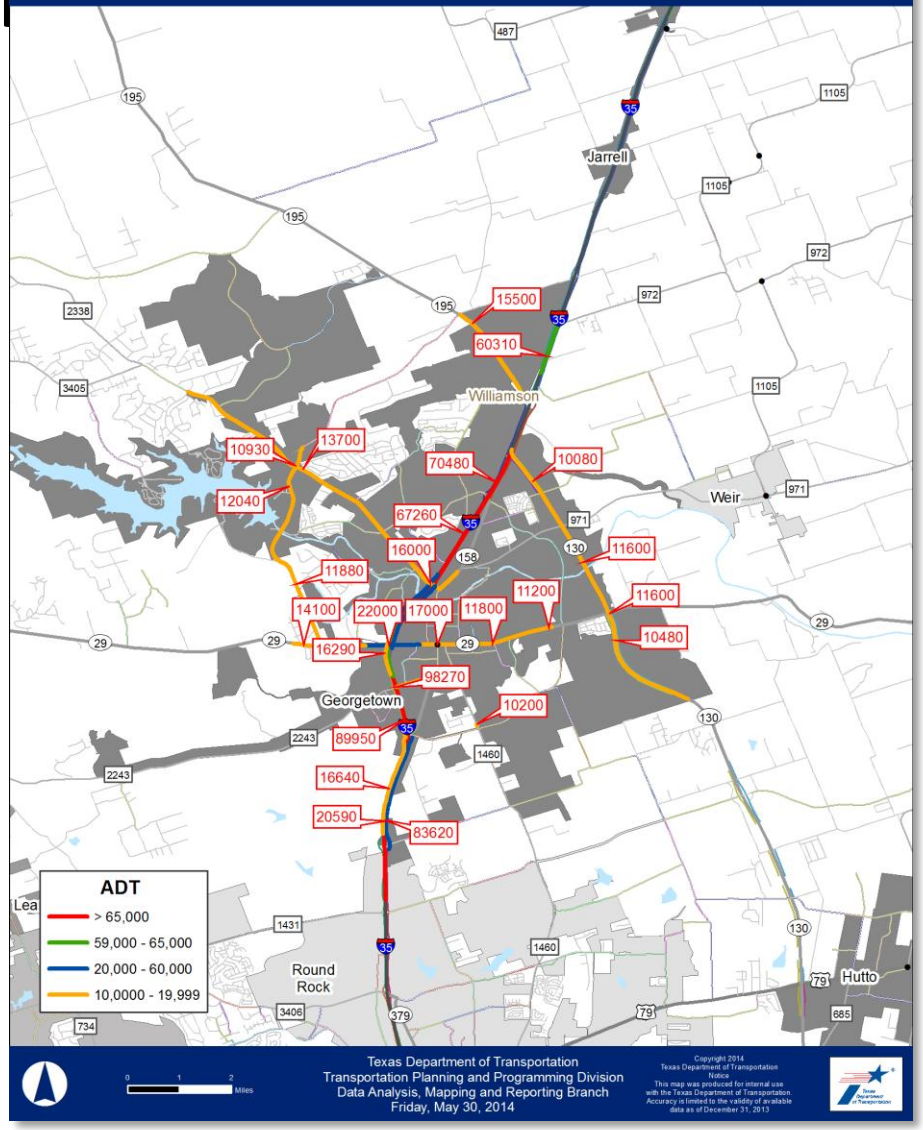
Thursday, May 29, 2014

High Traffic Roadways - Georgetown



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Transportation Planning and Programming Division
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Friday, May 30, 2014

Basic Queries and Data Exports

- Reference Markers for Specific Highways
- County Roads within a Specific County
- Frontage Road and Roadbed Data
- Centerline Files
- District, County, or City Data
- Functionally Classified Streets
- Distances
- DFO Values

THANK YOU!

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