

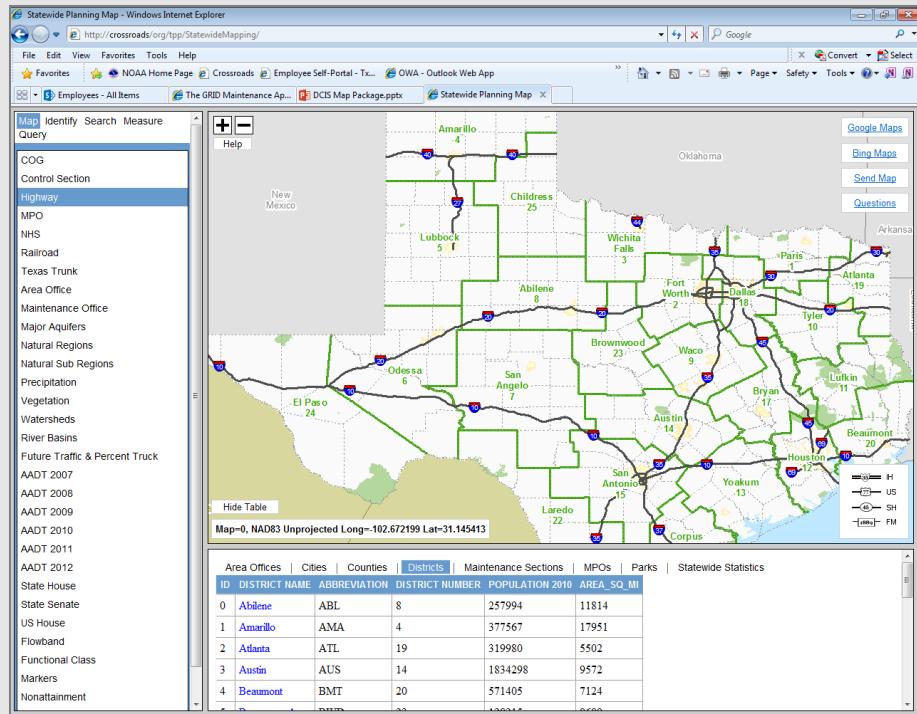


TEXAS DEPARTMENT OF TRANSPORTATION

STATEWIDE PLANNING MAP DESKTOP

Jenn Sylvester

Statewide Planning Map - Desktop



What is it?

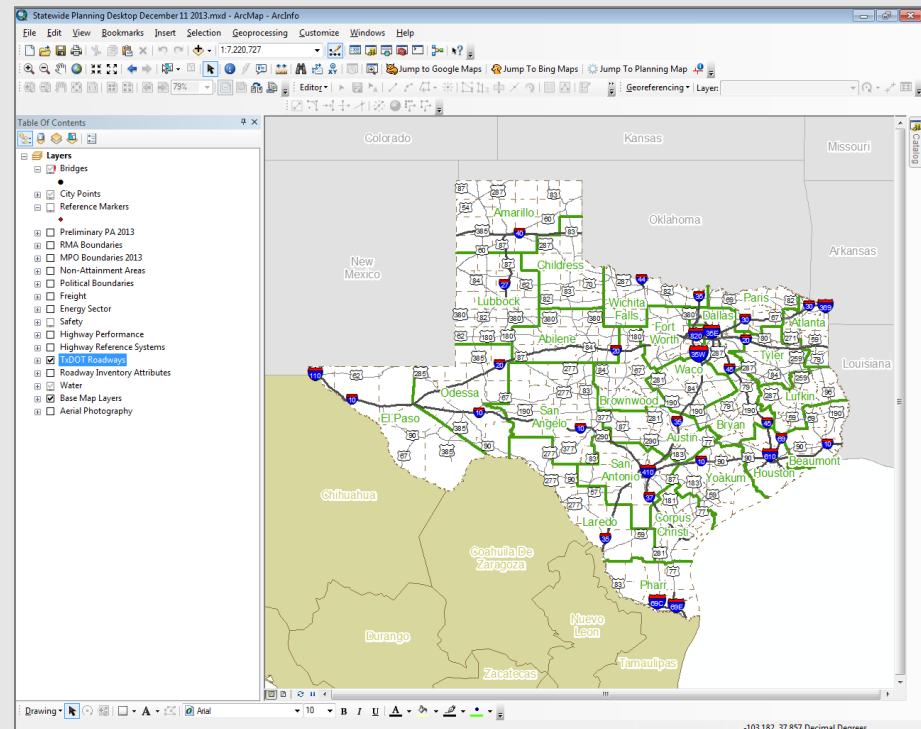
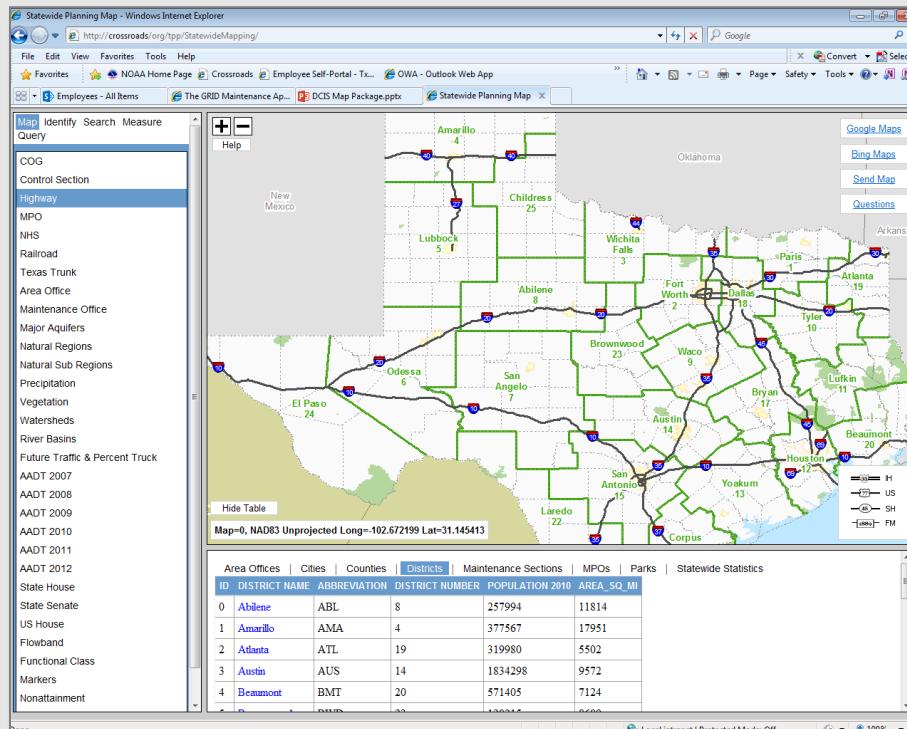
- ESRI map Document
- Software Program used for mapping and analysis purposes
- Current package available internally to TxDOT users and contractors

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

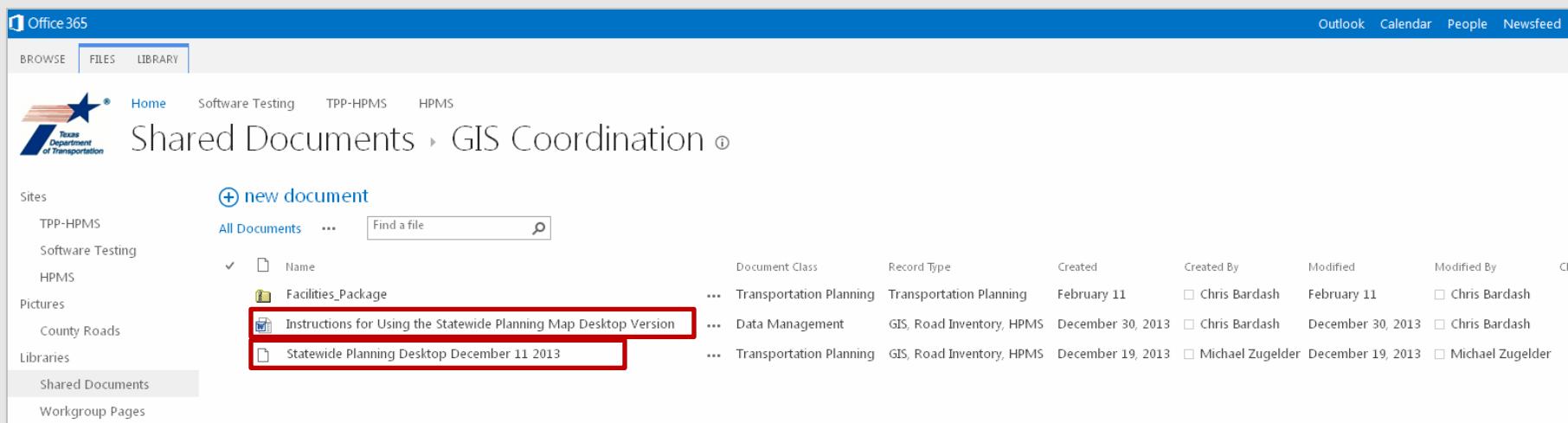
Statewide Planning Map - Desktop

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



Statewide Planning Map - Desktop

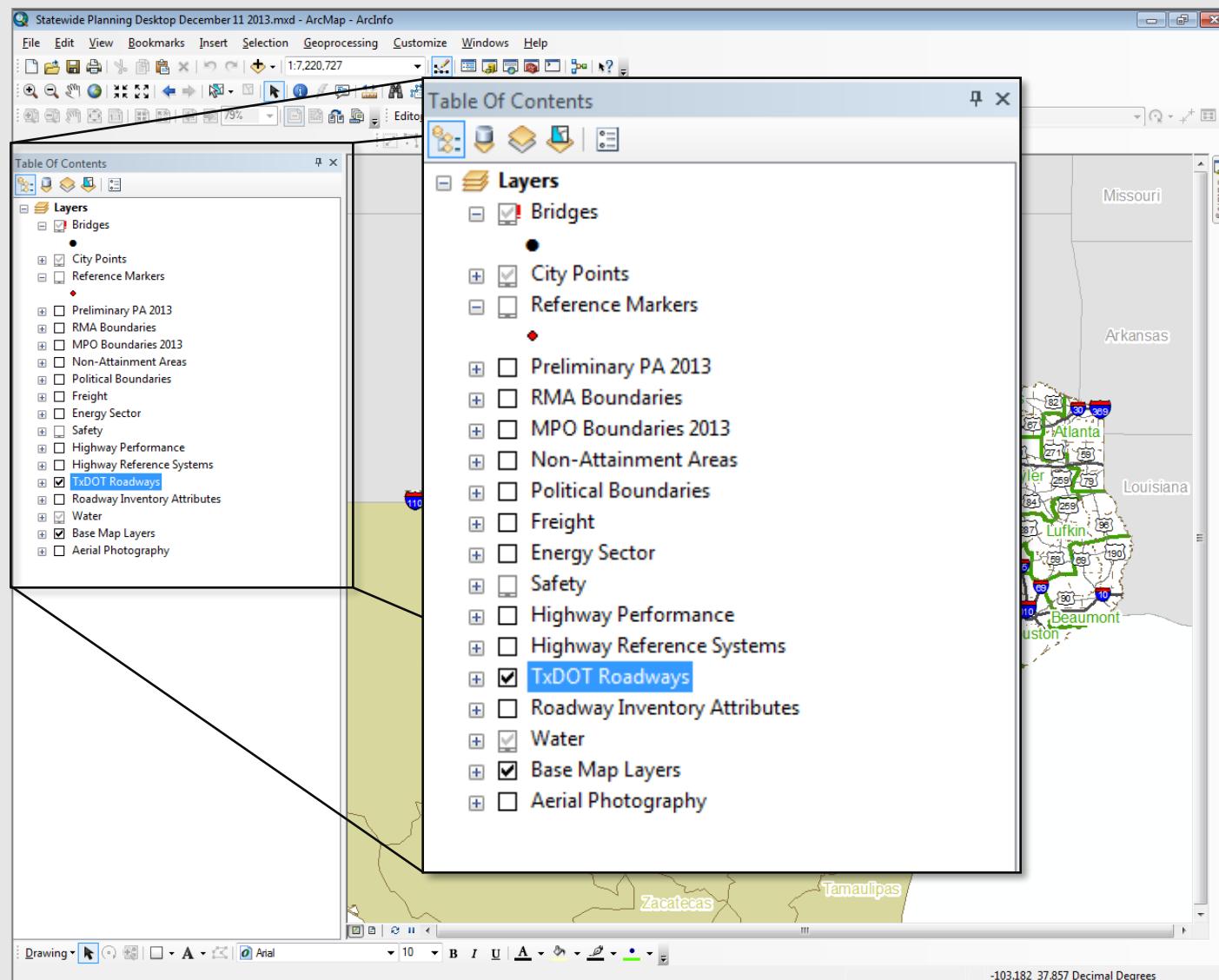
- Where is the Planning Map Desktop located?
 - SharePoint
 - ESRI Map Package
 - Instruction documents



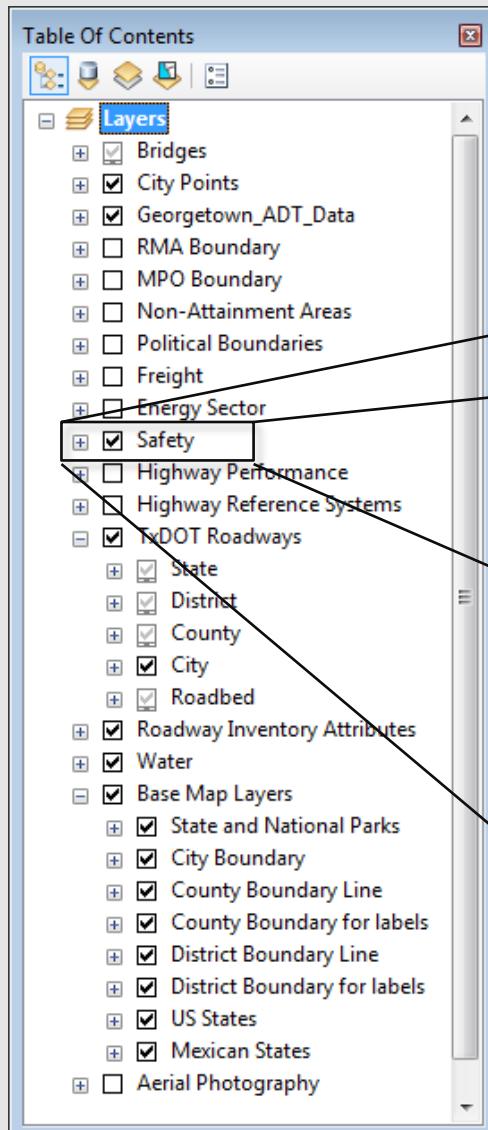
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Name	Document Class	Record Type	Created	Created By	Modified	Modified By	Ch
Facilities_Package	...	Transportation Planning	Transportation Planning	February 11	<input type="checkbox"/> Chris Bardash	February 11	<input type="checkbox"/> Chris Bardash
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	...	Transportation Planning	GIS, Road Inventory, HPMS	December 19, 2013	<input type="checkbox"/> Michael Zugelder	December 19, 2013	<input type="checkbox"/> Michael Zugelder

Statewide Planning Map - Layers



Statewide Planning Map – Group Layers

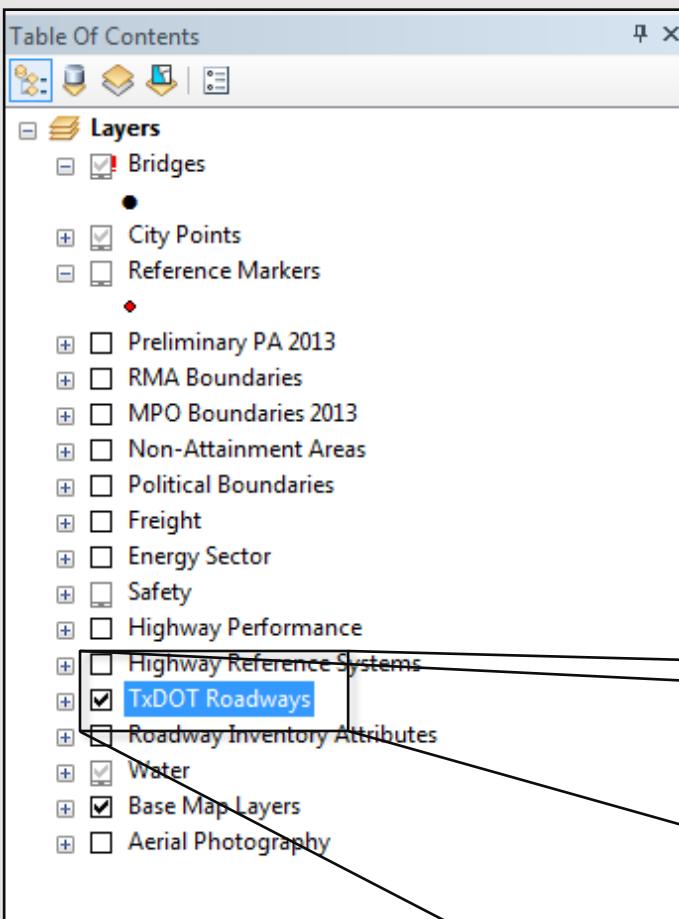


What are they?

- Some layers in the map are 'Group Layers' that hold multiple datasets and are grouped by function

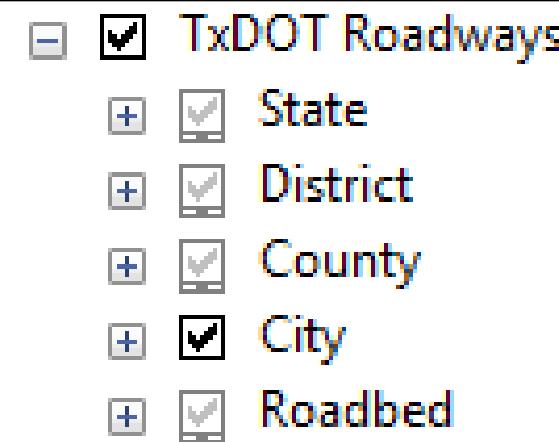
- Safety
 - Crash 2010-2012
 - FATAL
 - INCAPACITATING INJURY
 - NON-INCAPACITATING
 - NOT INJURED
 - POSSIBLE INJURY
 - UNKNOWN
 - Pavement Conditions
 - Very Poor
 - Poor
 - Fair
 - Good
 - Very Good

Statewide Planning Map – Roadway Group Layer



How does it Function?

- The TxDOT Roadways Group layer has multiple instances of the roadway dataset grouped
- 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

Table Of Contents

- Layers
 - Bridges
 - City Points
 - Georgetown_ADT_Data
 - RMA Boundary
 - MPO Boundary
 - Non-Attainment Areas
 - Political Boundaries
 - Freight
 - Energy Sector
 - Safety
 - Highway Performance
 - Highway Reference Systems
 - TxDOT Roadways
 - Roadway Inventory Attributes
 - Water
 - Base Map Layers
 - State and National Parks
 - City Boundary
 - County Boundary Line
 - County Boundary for labels
 - District Boundary Line
 - District Boundary for labels
 - US States
 - Mexican States
 - Aerial Photography

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

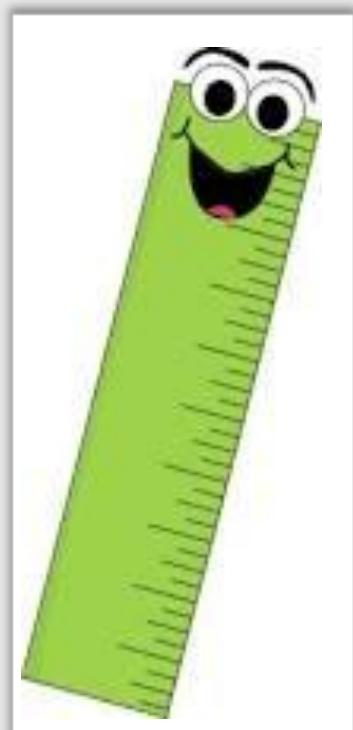
Table Of Contents

- Base Map Layers
 - State and National Parks
 - City Boundary
 - County Boundary Line
 - County Boundary for labels
 - District Boundary Line
 - District Boundary for labels
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Statewide Planning Map – Tools

Interactive Tools

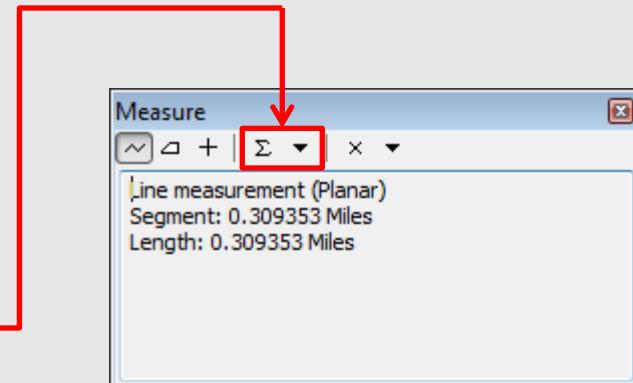
- Creating Custom Data
 - Queries
 - Export Shapefile
 - Create Selection Layer
 - Symbology
- Add other spatial data to a map
- Find DFO's
- Measure Tools
- Create a PDF Map



Spatial Data

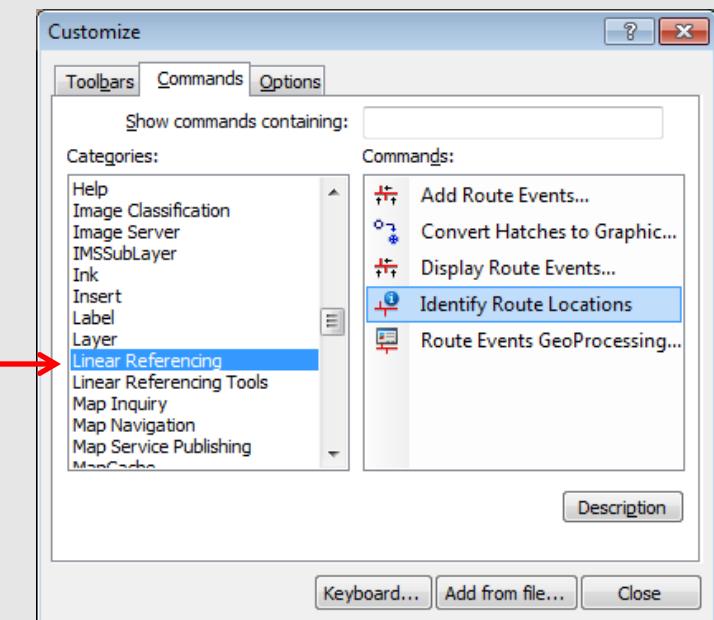
Measure Tool

- 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?

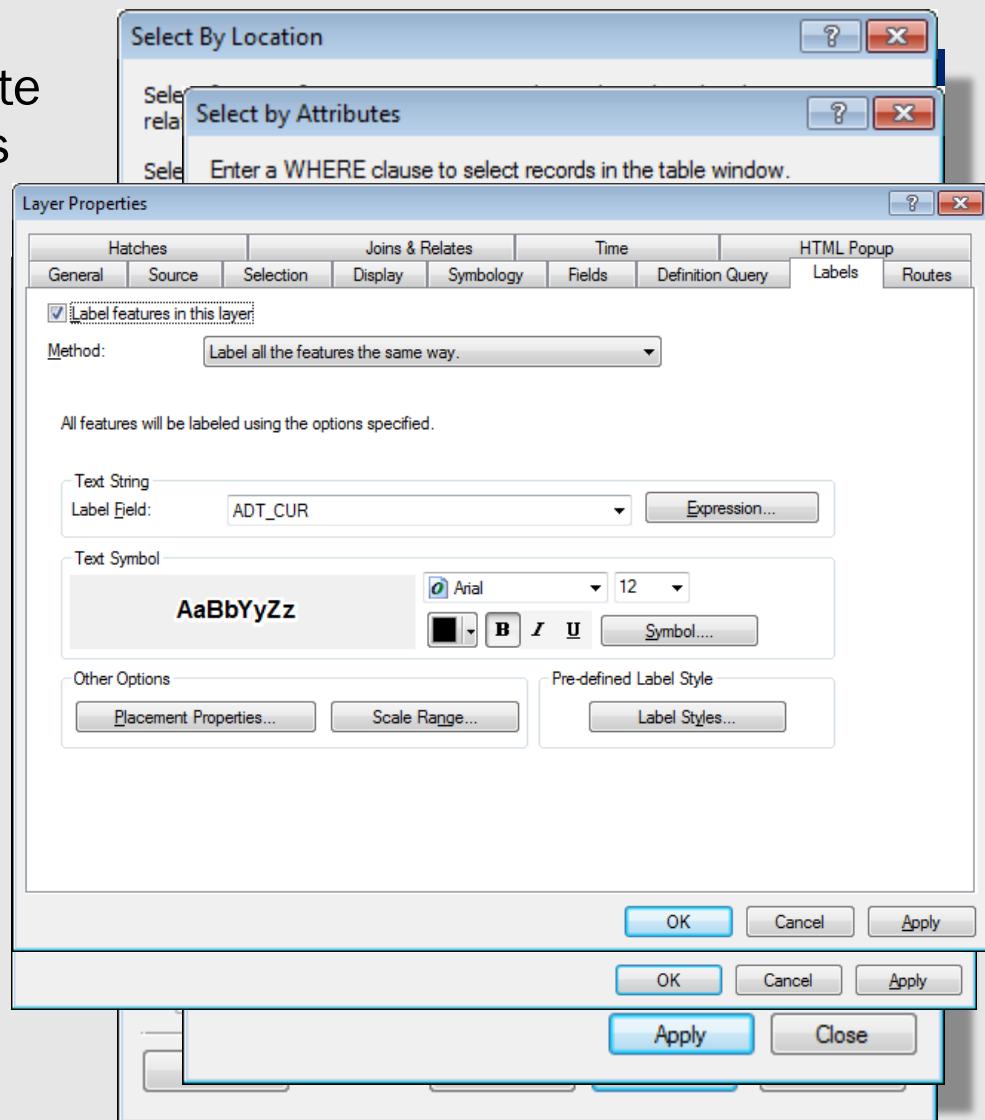
- Data Queries
 - *Definition Queries*
 - *Selection Queries*
 - *Spatial Queries*

Represent data in meaningful ways

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

Result:

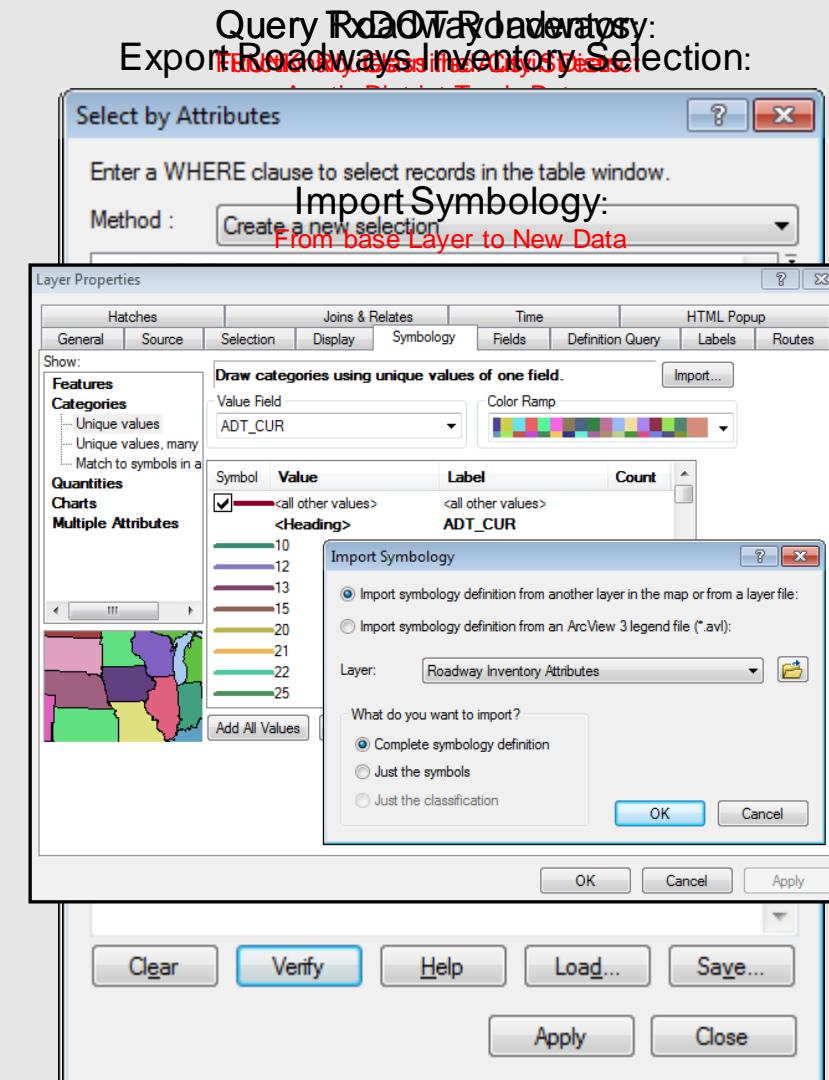
- Custom maps!



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*

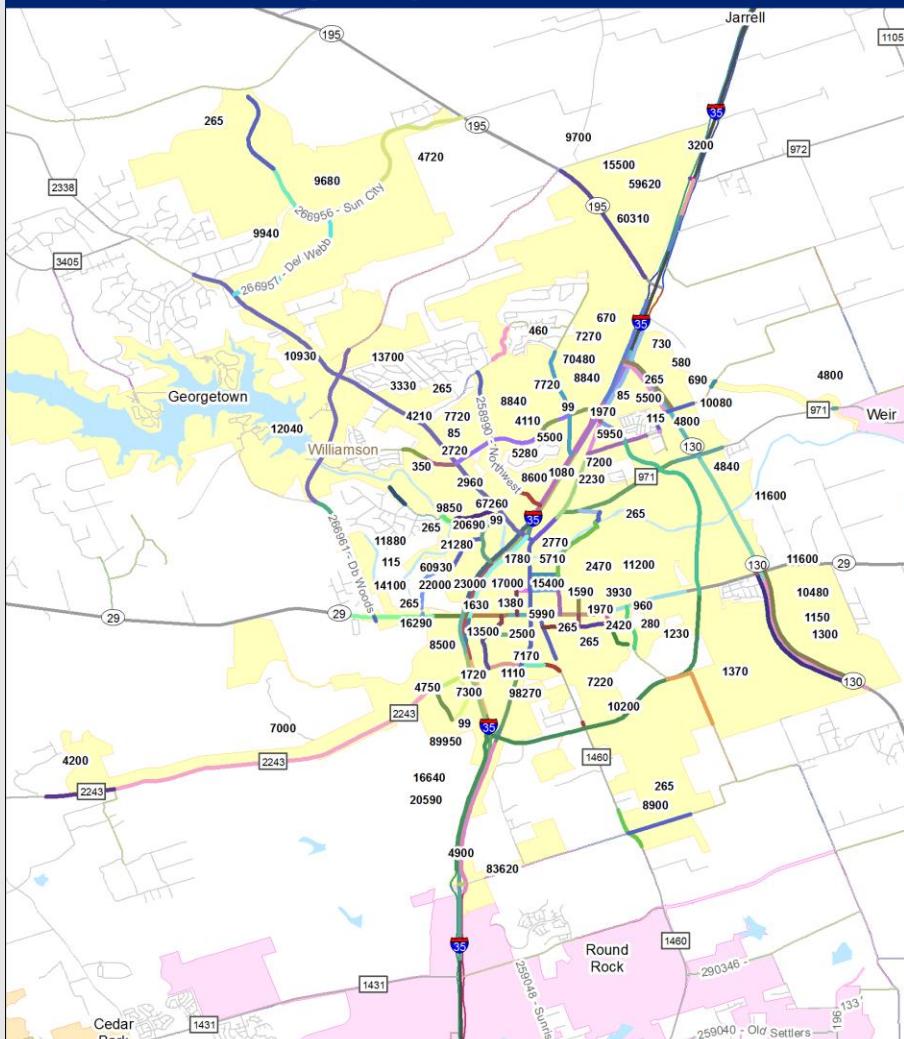


Map Symbology

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

Customizing Maps

Georgetown Average Daily Traffic

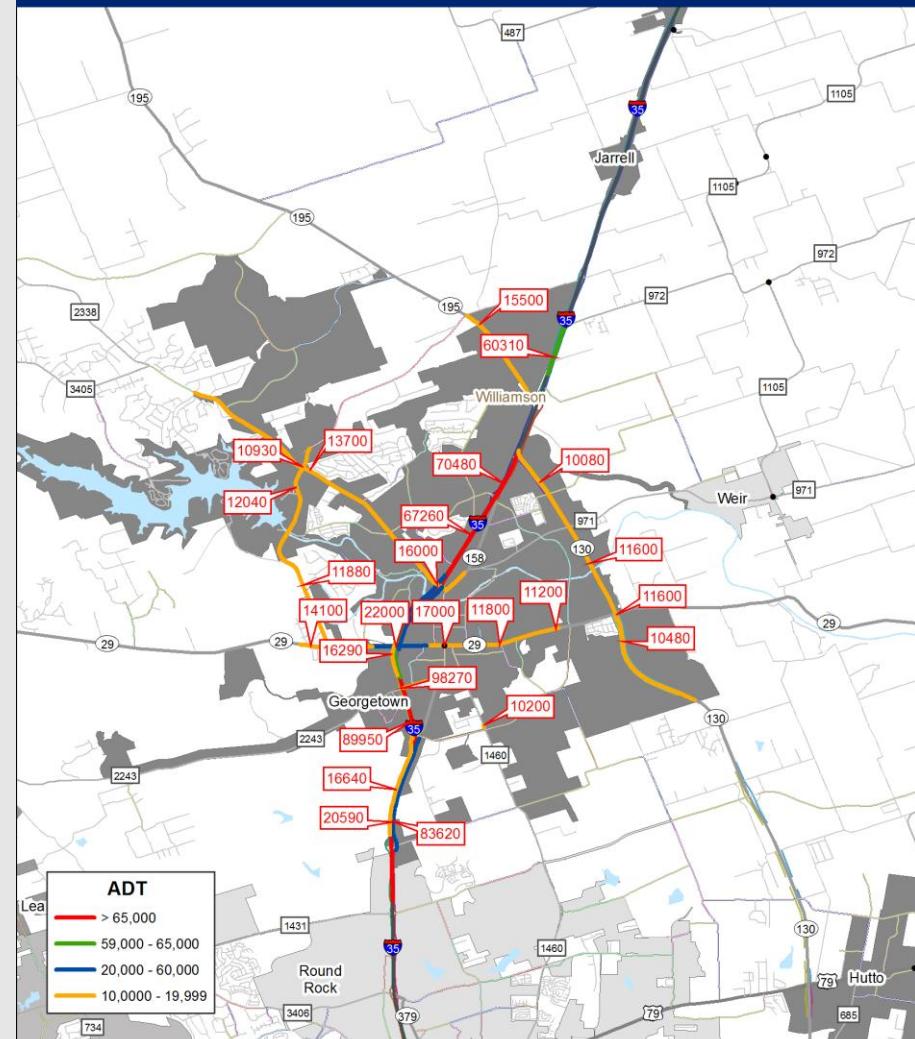


Texas Department of Transportation
Transportation Planning and Programming Division
Data Analysis, Mapping and Reporting Branch
Thursday, May 29, 2014

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High Traffic Roadways - Georgetown



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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
- Find the answers with ArcMap!





THANK YOU!

Mike Zugelder
Jennifer Sylvester



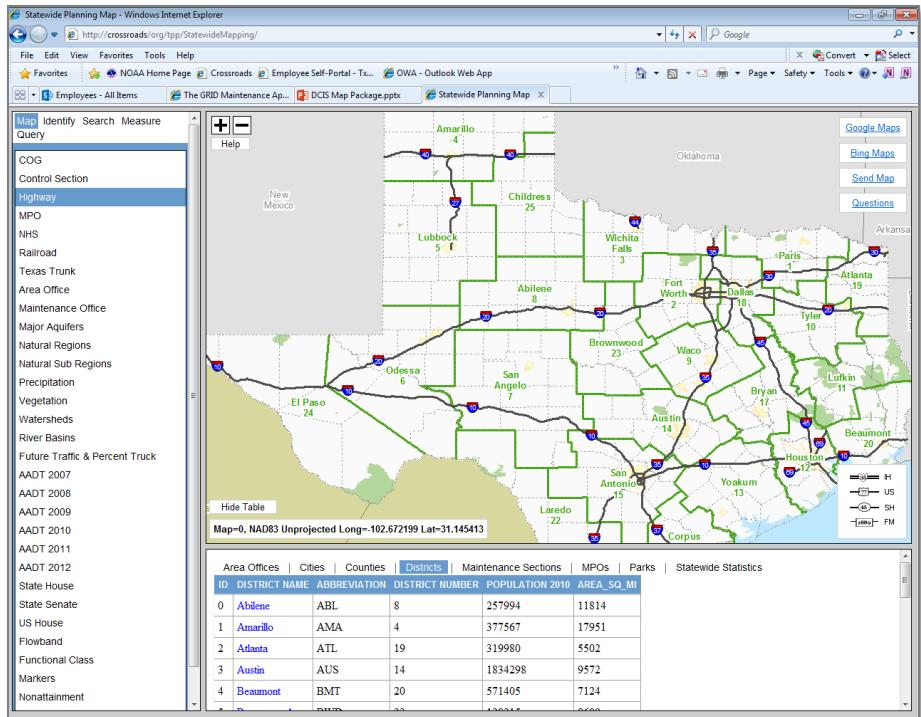
TEXAS DEPARTMENT OF TRANSPORTATION

STATEWIDE PLANNING MAP DESKTOP

Jenn Sylvester

Statewide Planning Map - Desktop

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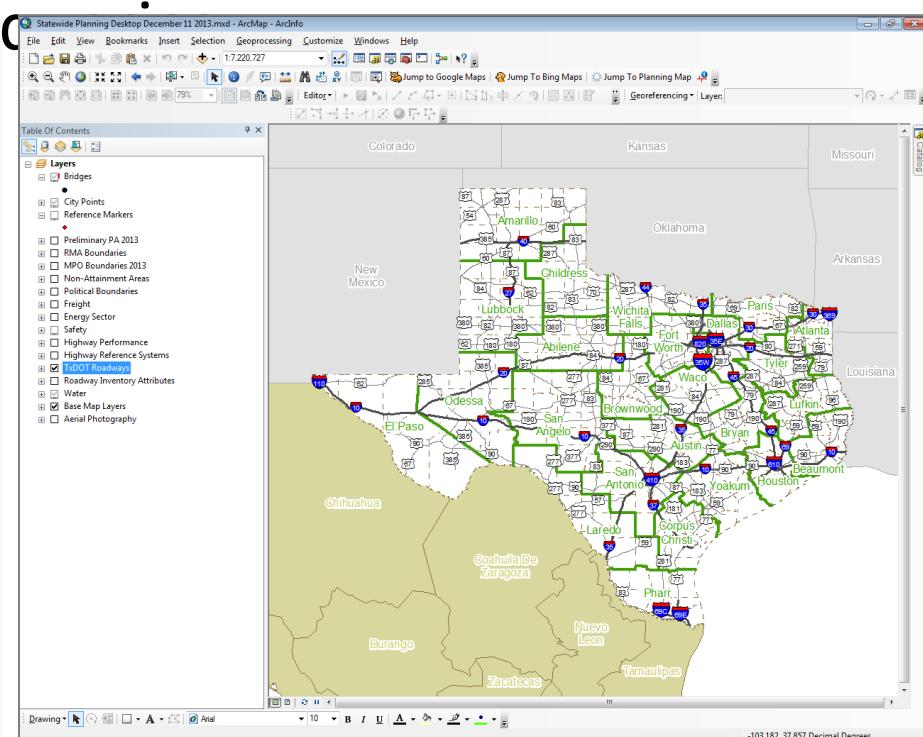
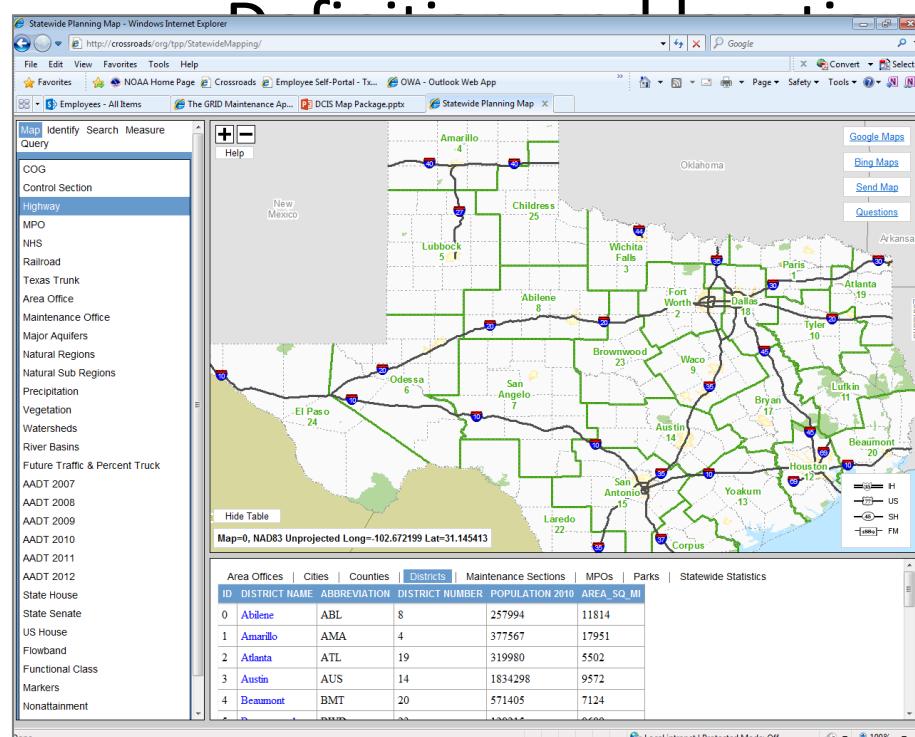
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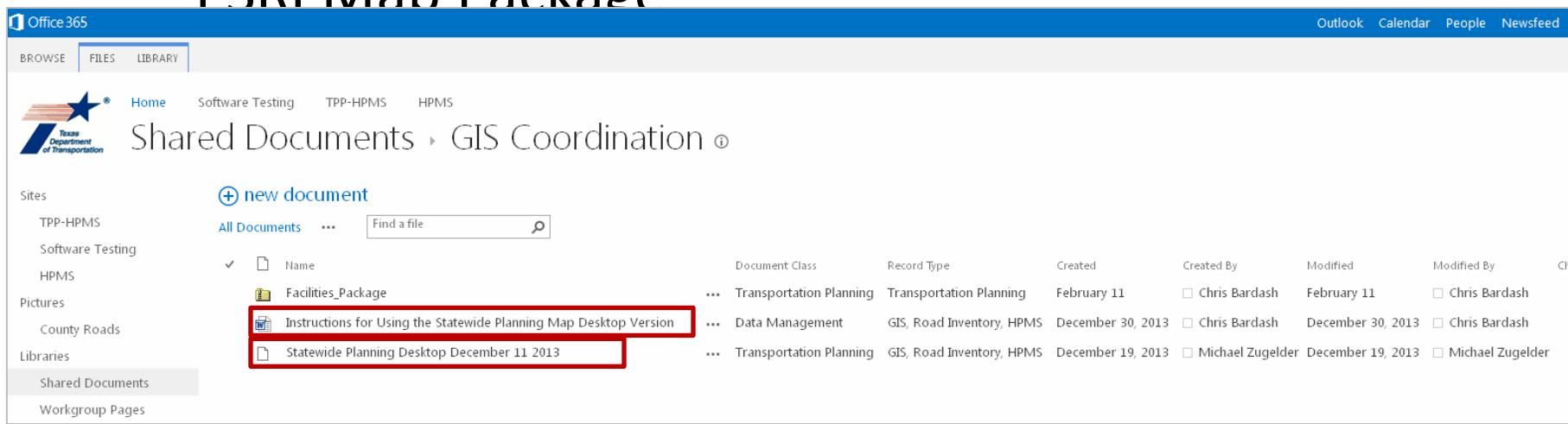
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Statewide Planning Map - Desktop

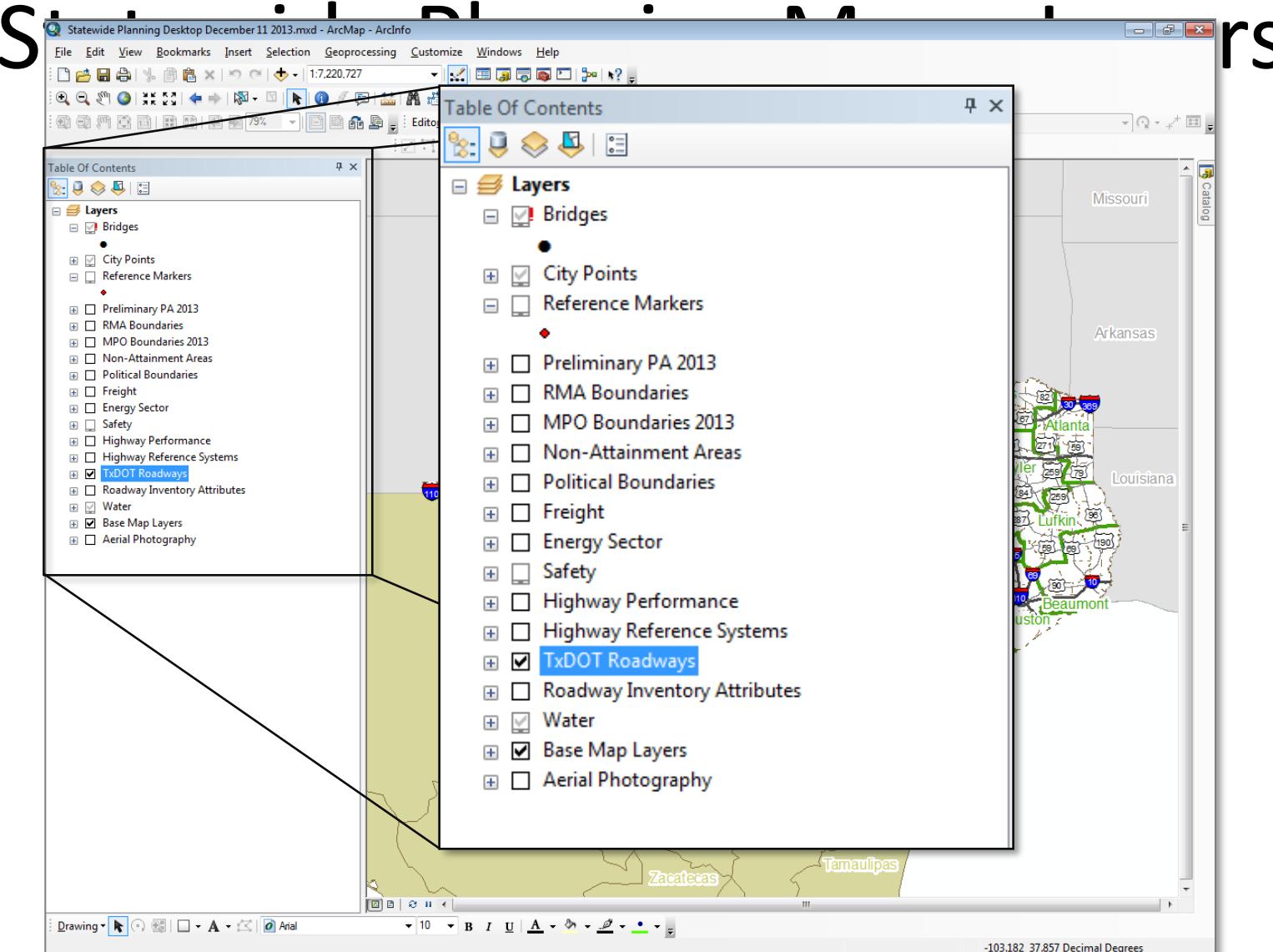
- Where is the Planning Map Desktop located?
 - [SharePoint](#)
 - ESRI Map Package



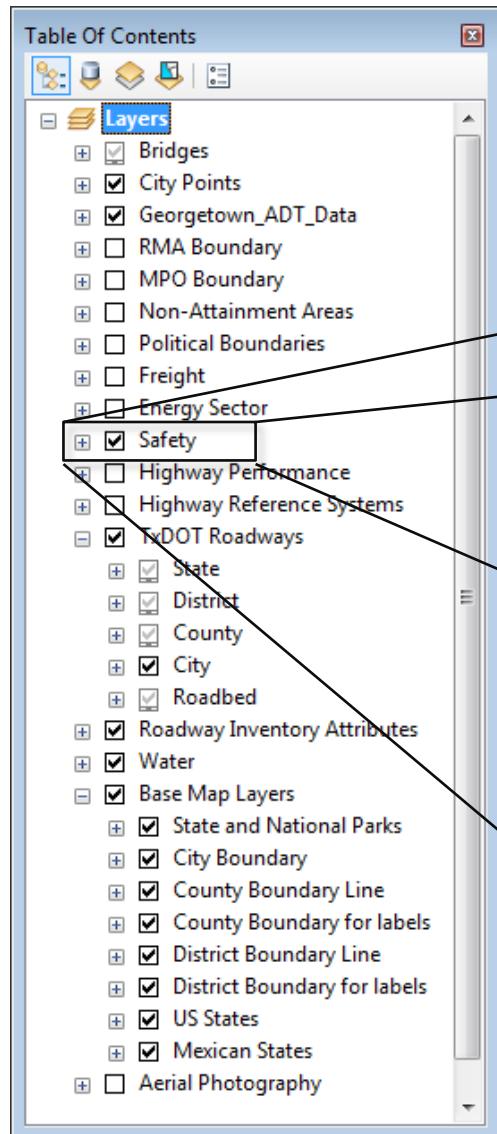
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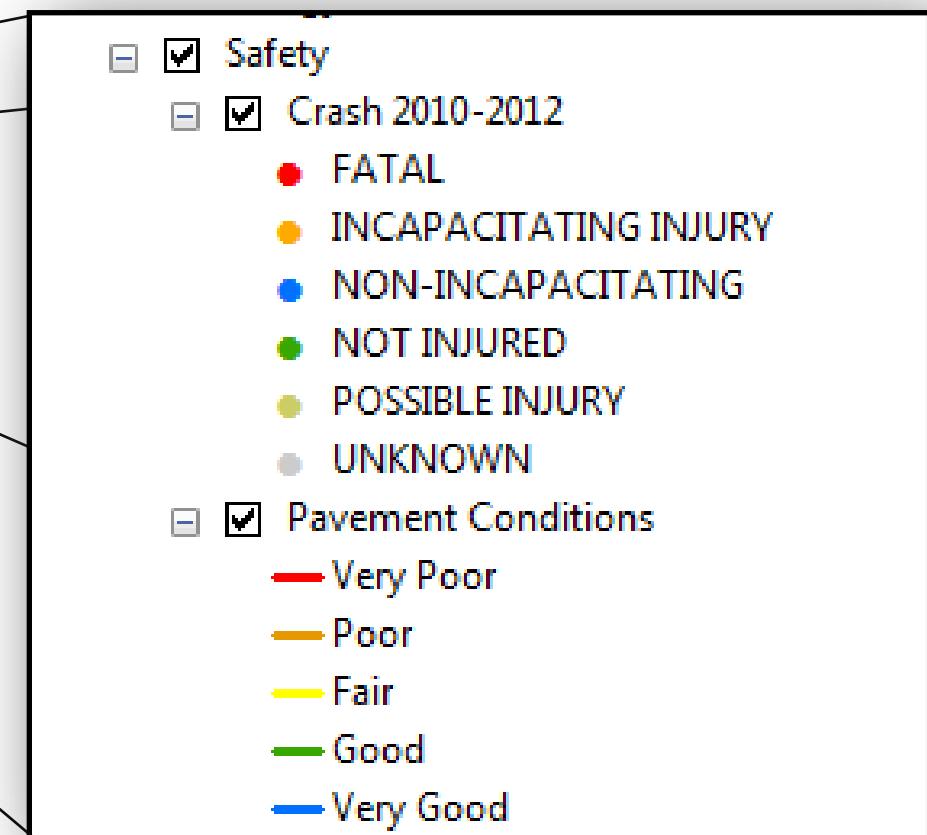


Statewide Planning Map – Group



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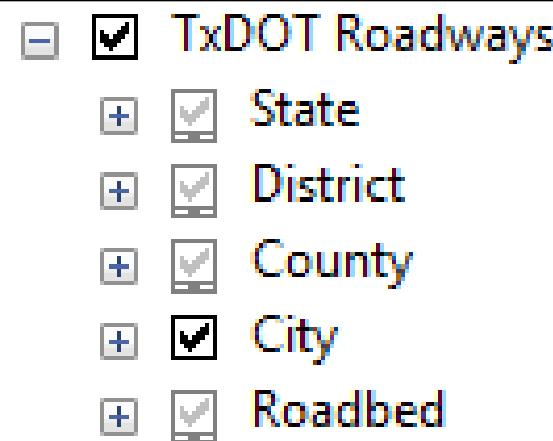
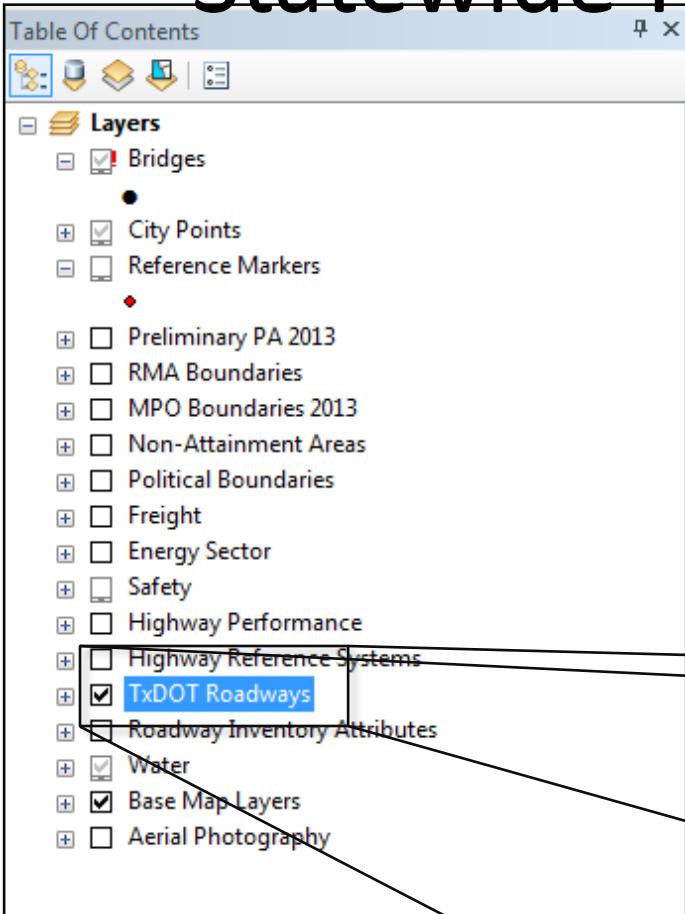


Statewide Planning Map – Roadway

Group Layer

How does it Function?

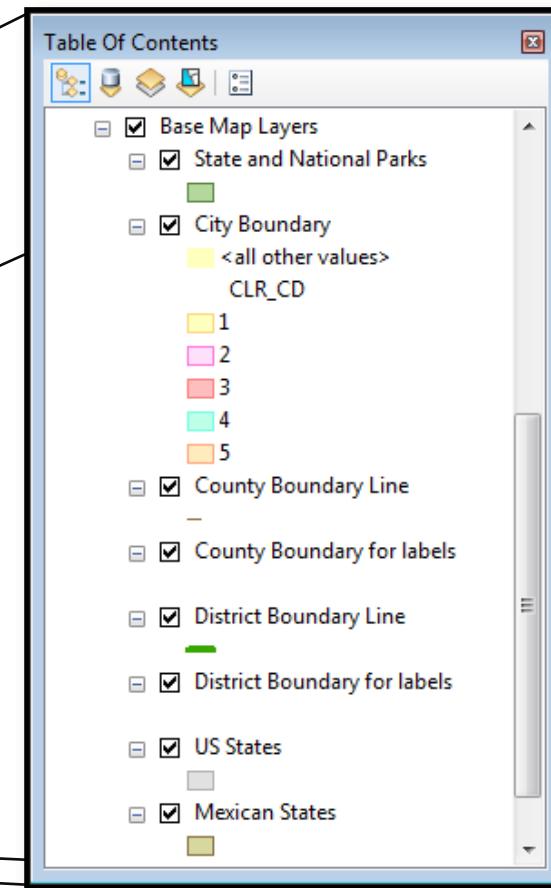
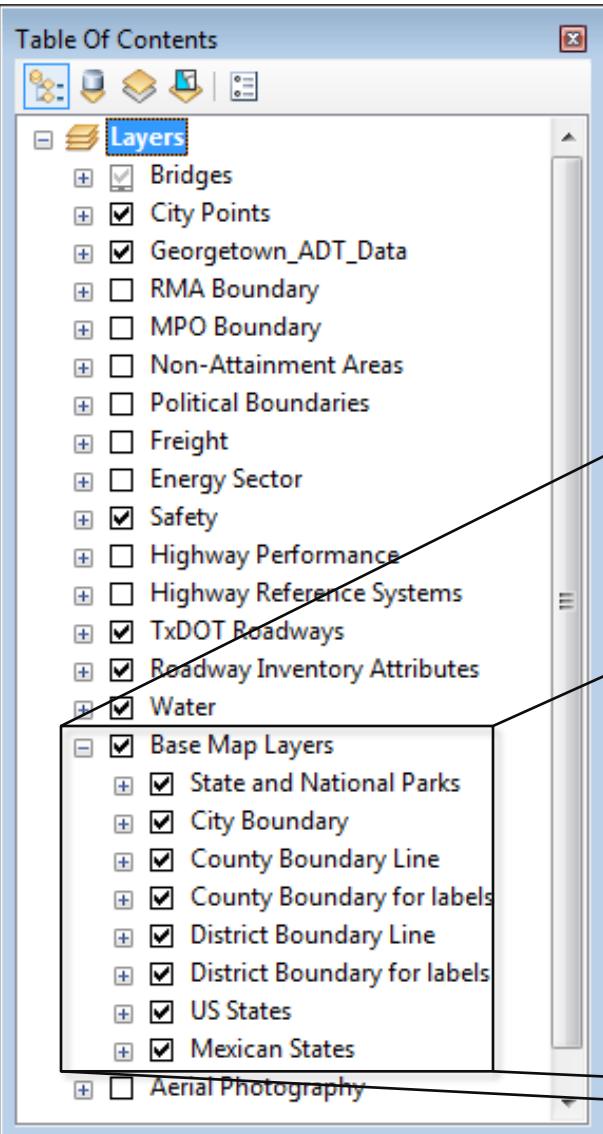
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Statewide Planning Map – Base

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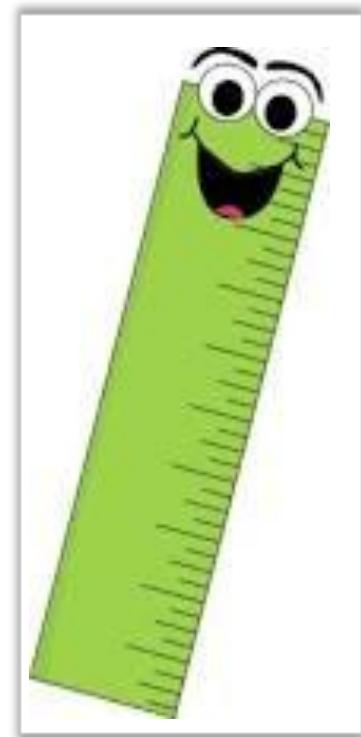
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Statewide Planning Map – Tools

Interactive Tools

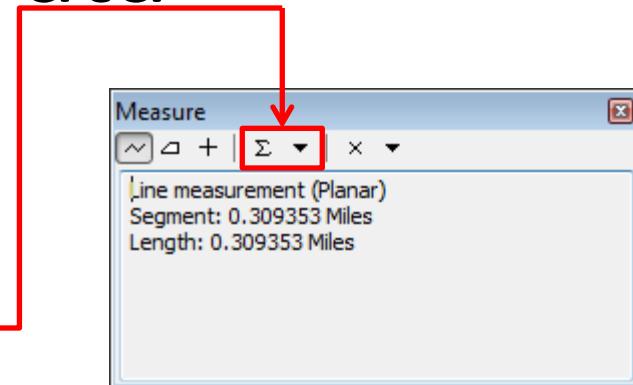
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Spatial Data

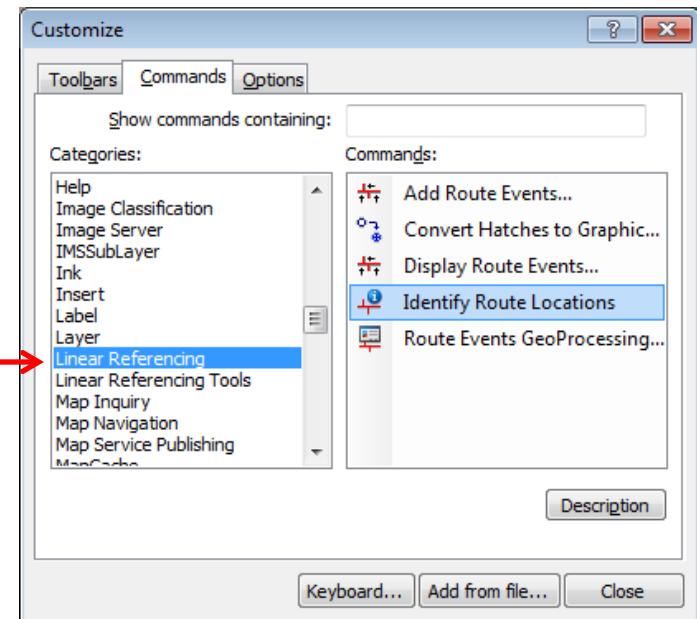
Measure Tool

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Route Identify Tool for Route DFO

- Returns the DFO value



Spatial Data – Create Your Own

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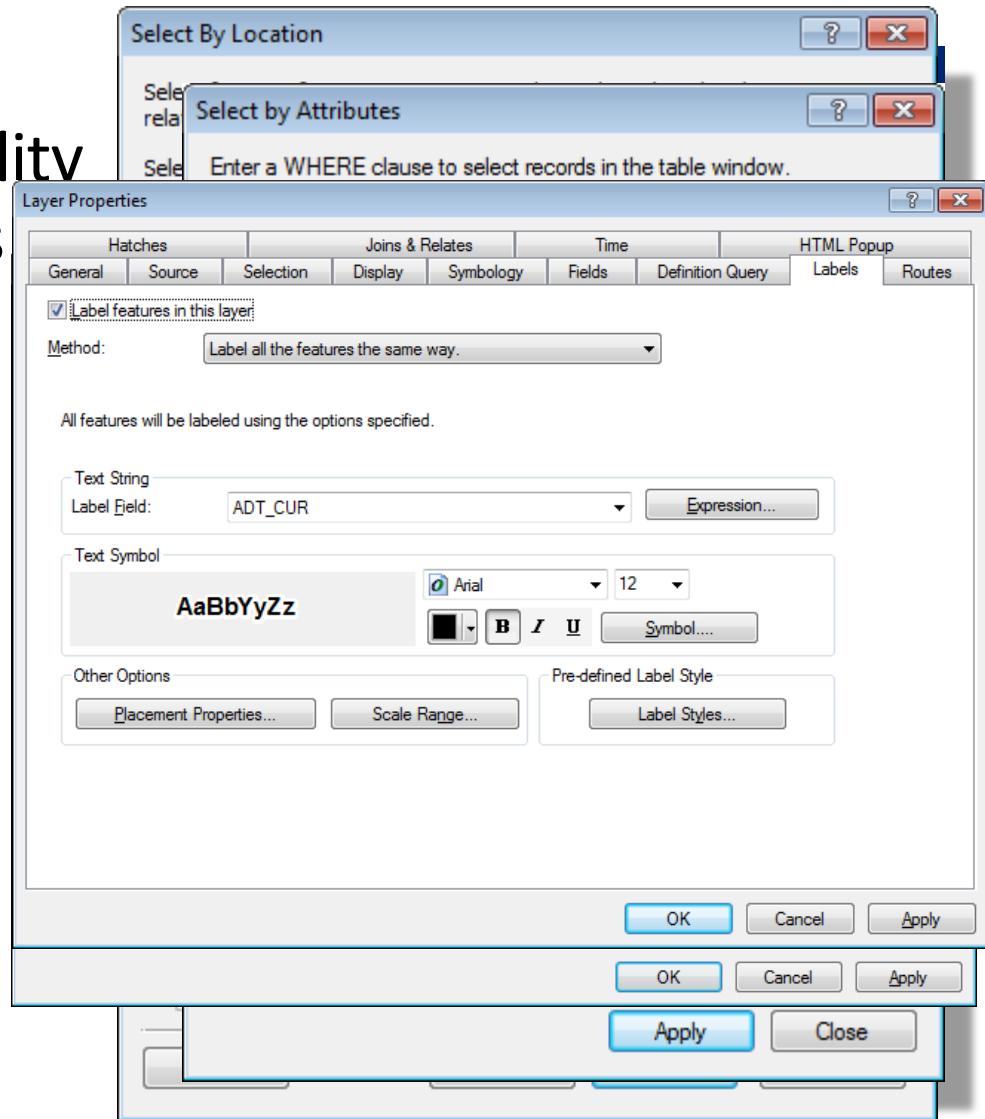
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 - *Selection Queries*
 - *Spatial Queries*

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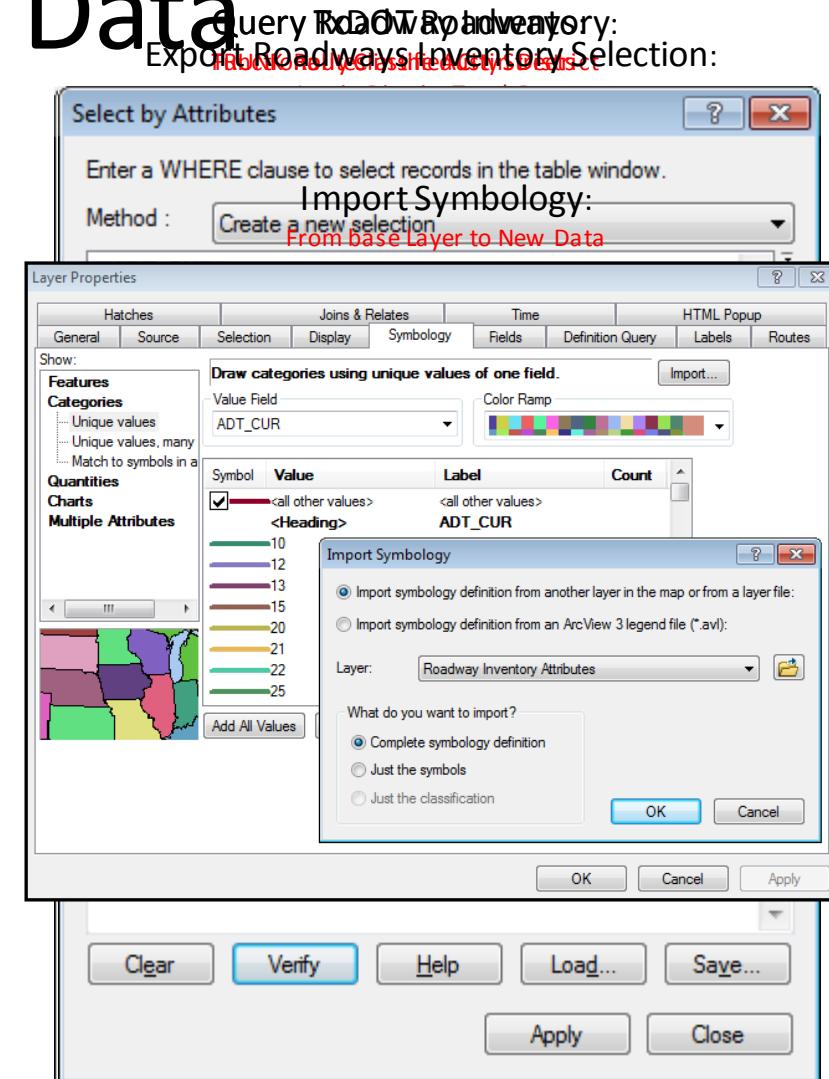
- Create custom symbologies
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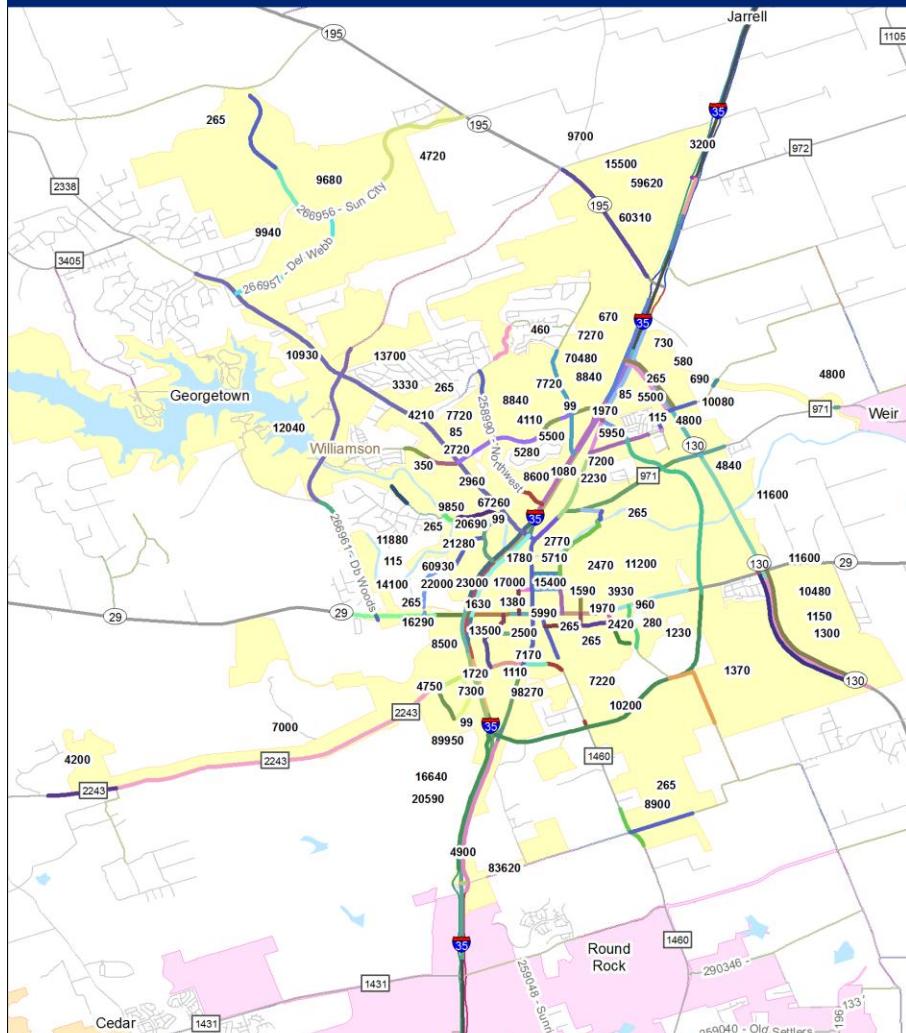
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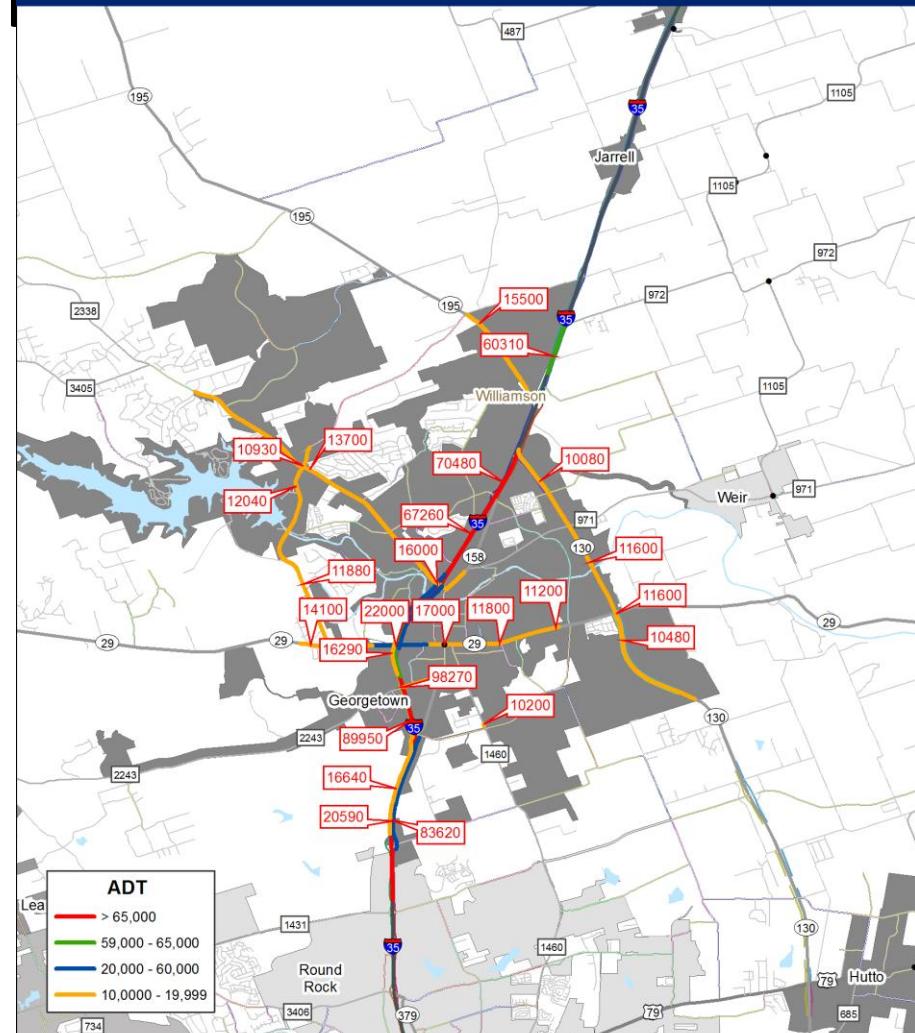


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The logo for the Texas Department of Transportation (TxDOT) is located in the bottom right corner. It features a blue star with a white outline and a red and white striped base. Below the star, the words "Texas Department of Transportation" are written in a blue, sans-serif font.

High Traffic Roadways - Georgetown



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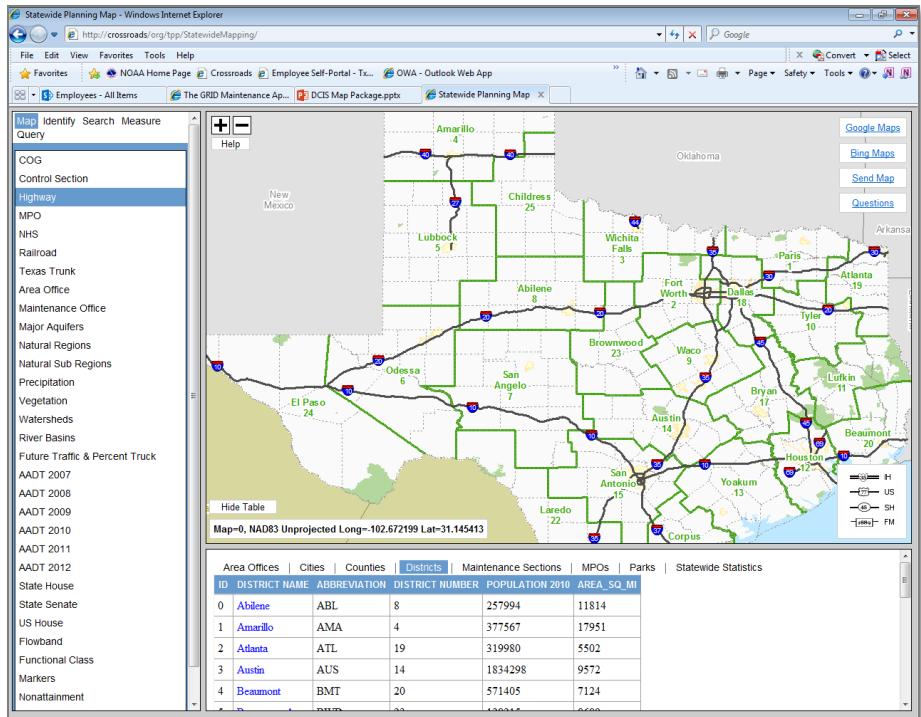
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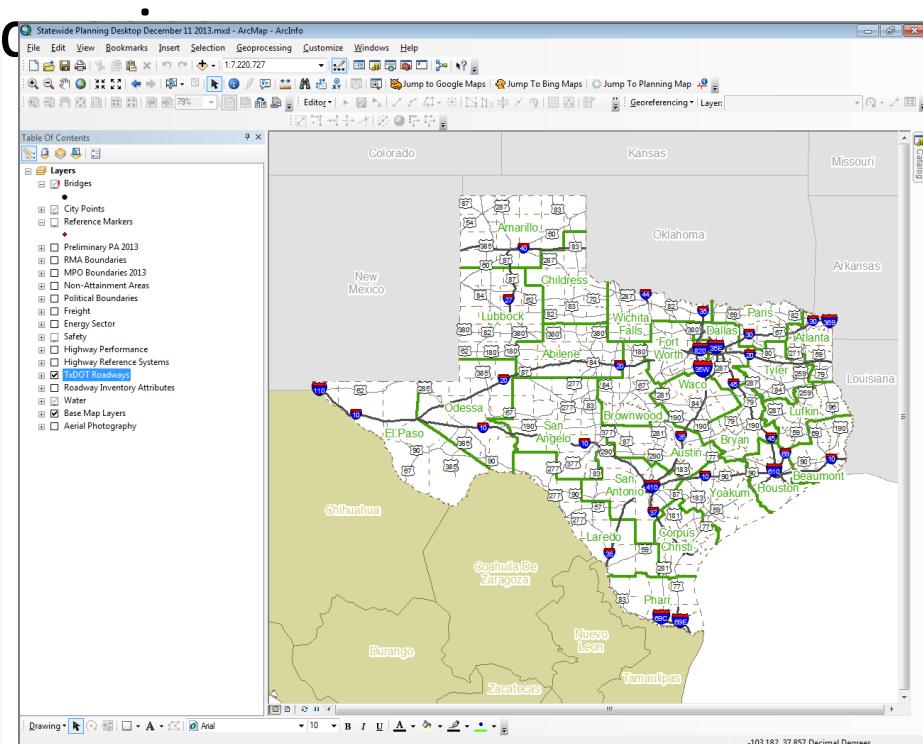
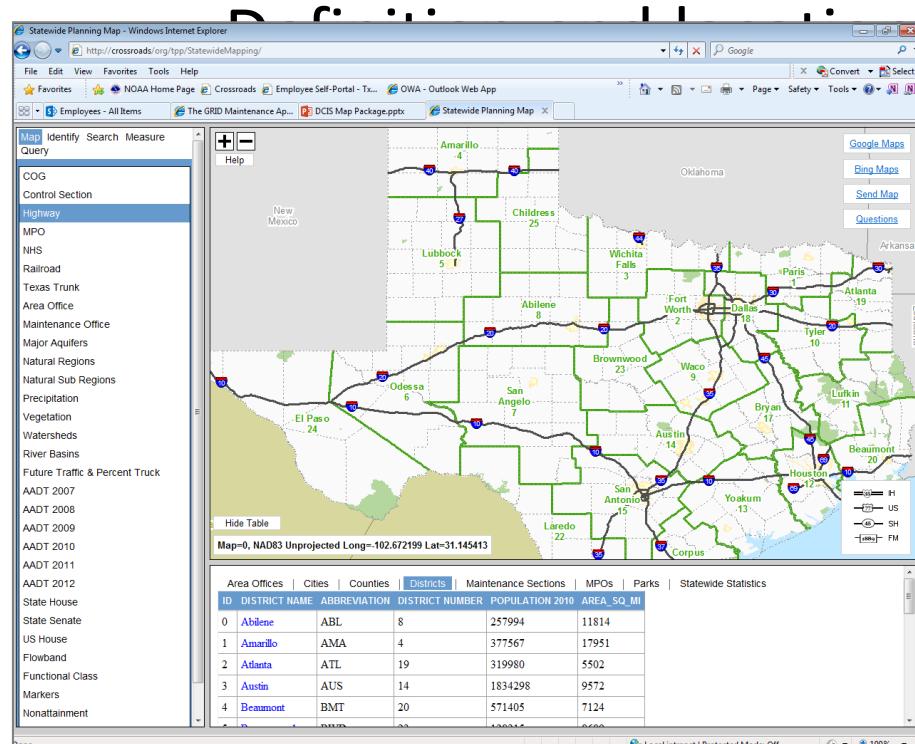
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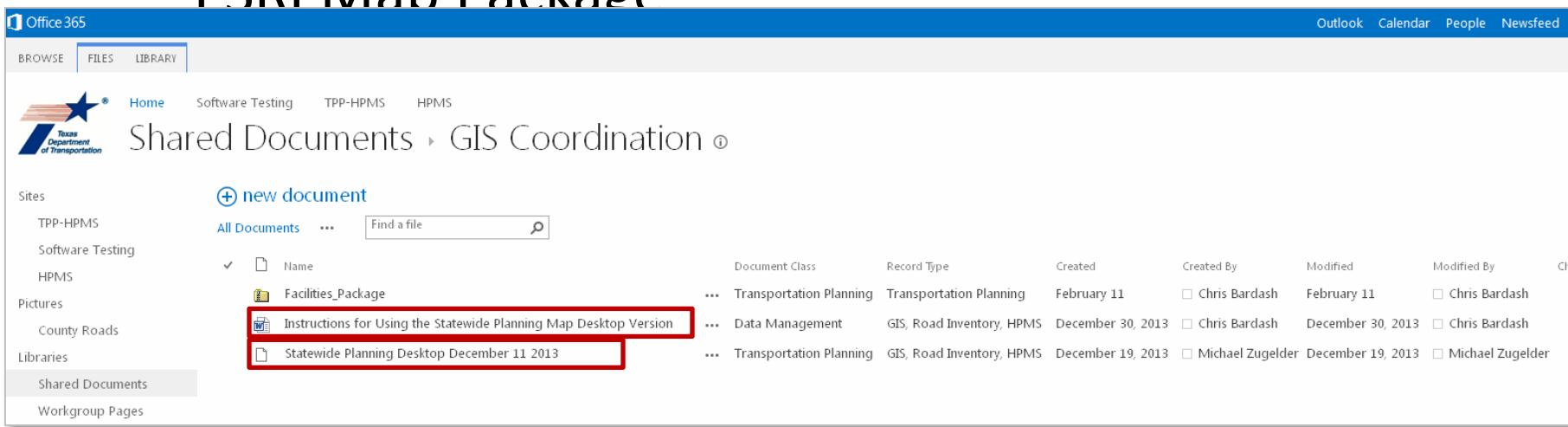
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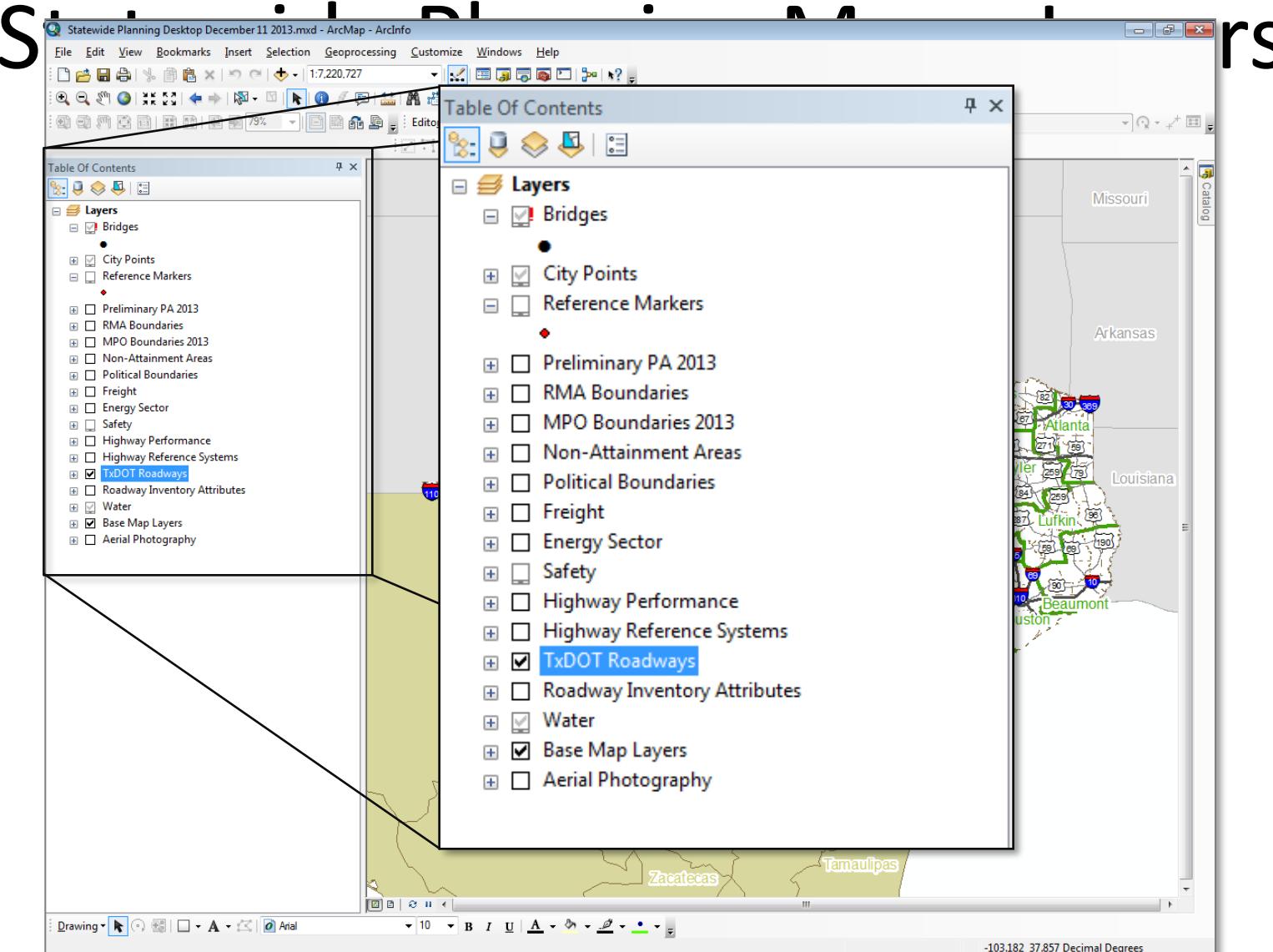
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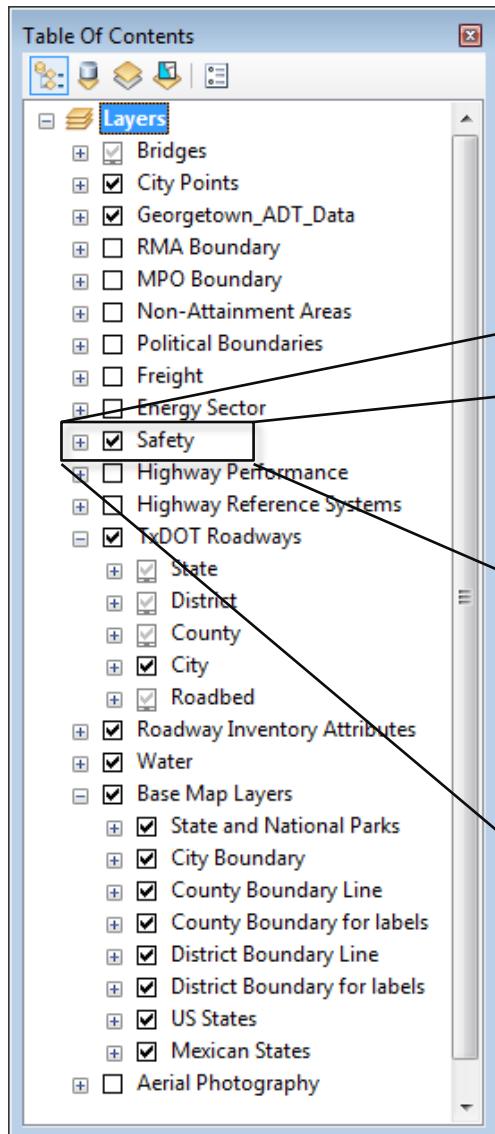
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Statewide Planning Map – Group



What are they?

Layers

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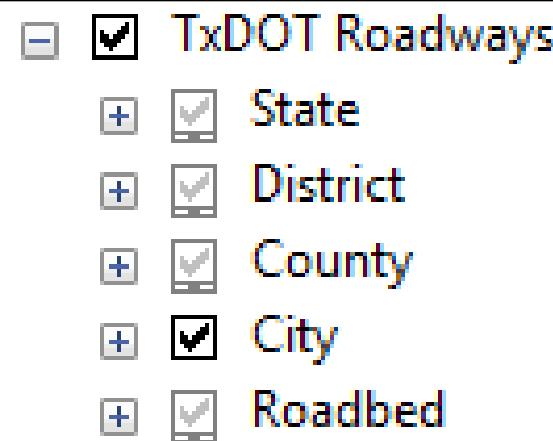
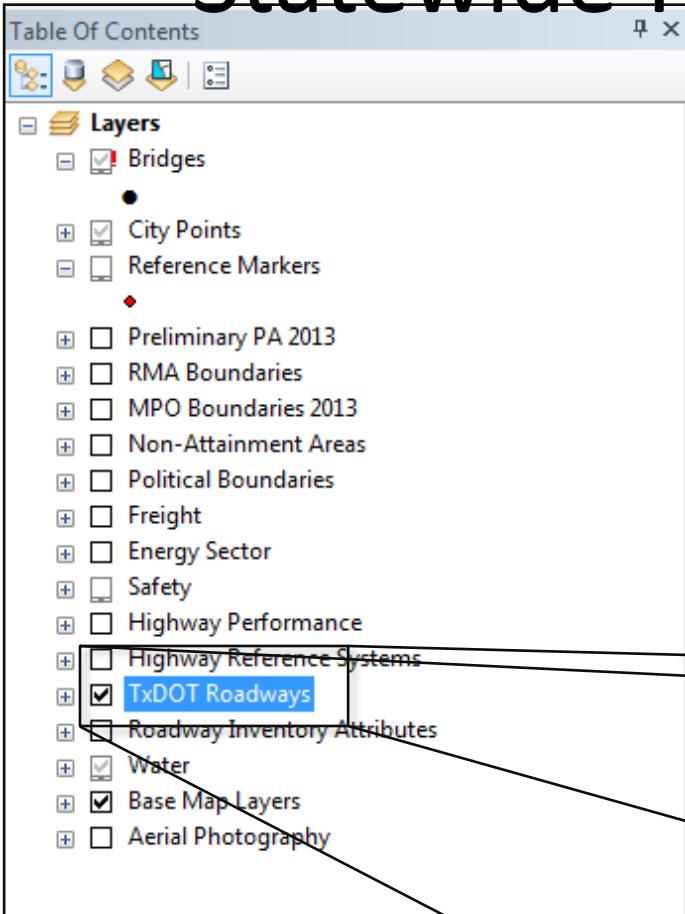
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 - UNKNOWN
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Statewide Planning Map – Roadway

Group Layer

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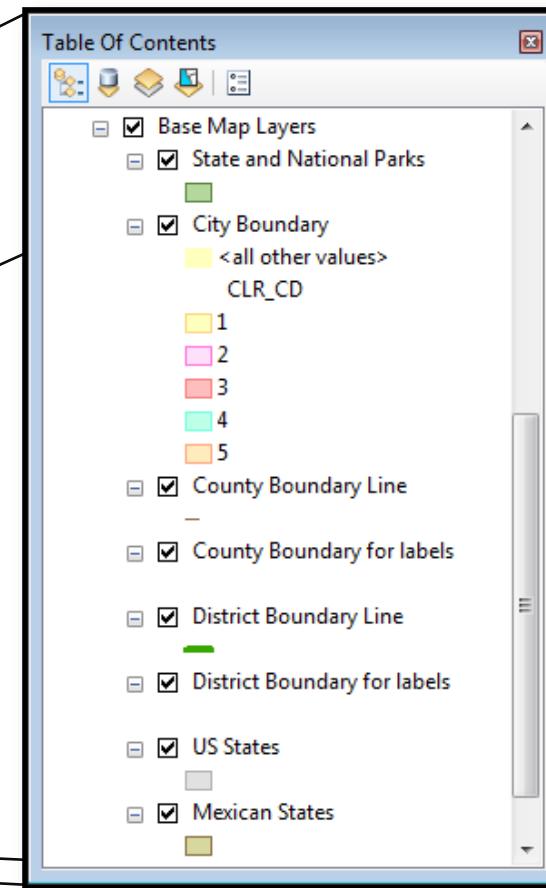
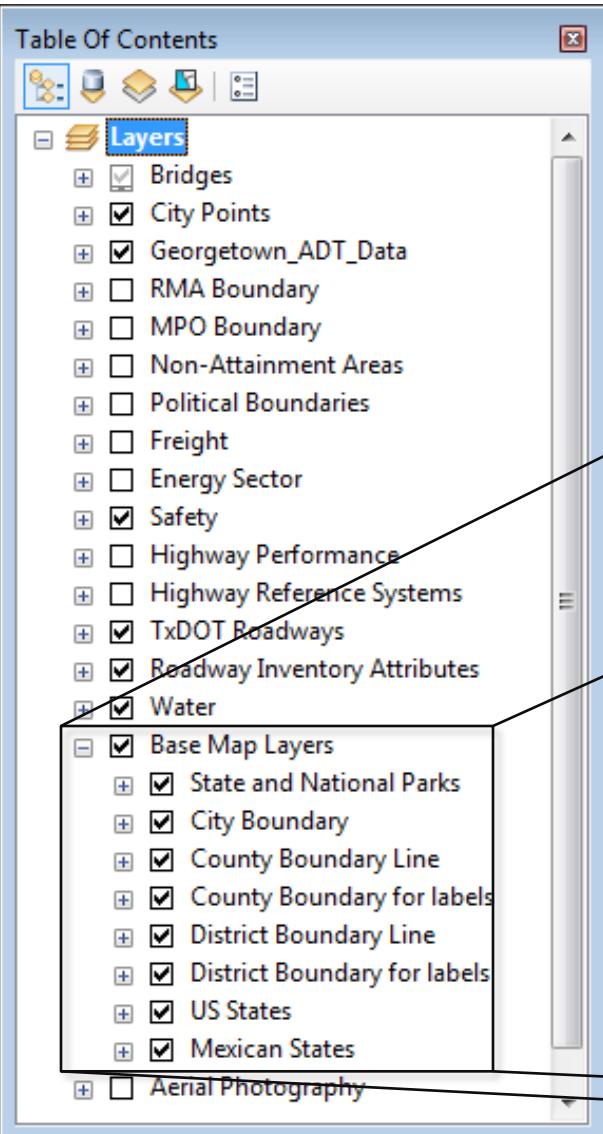
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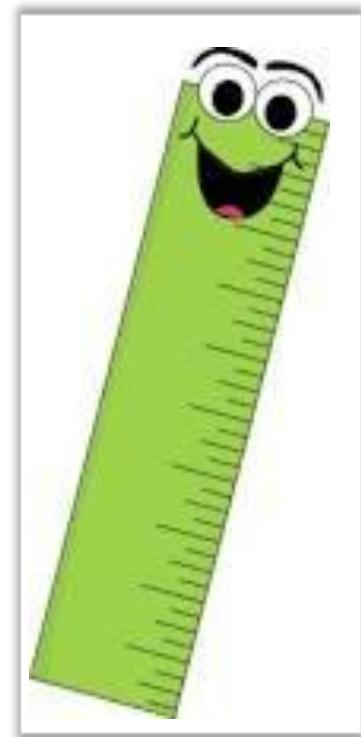
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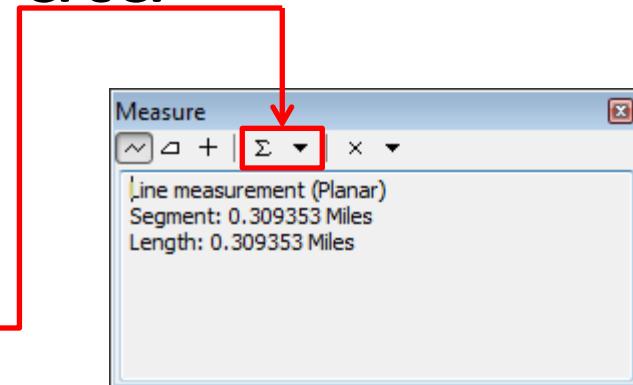
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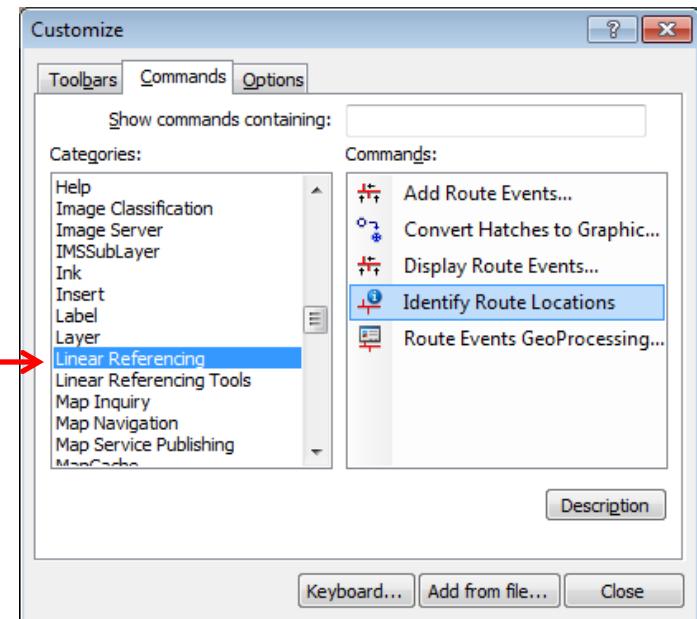
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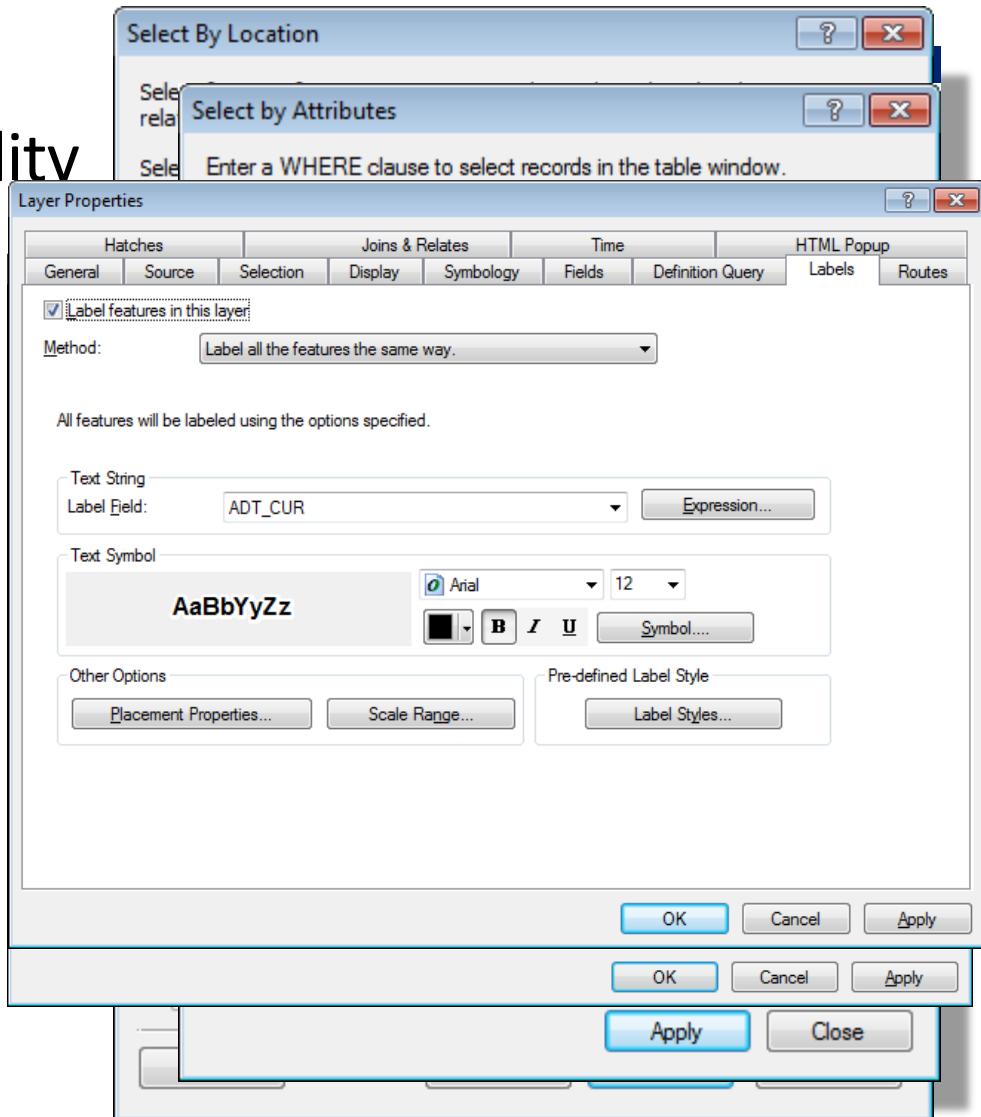
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 - *Spatial Queries*

Represent data in meaningful ways

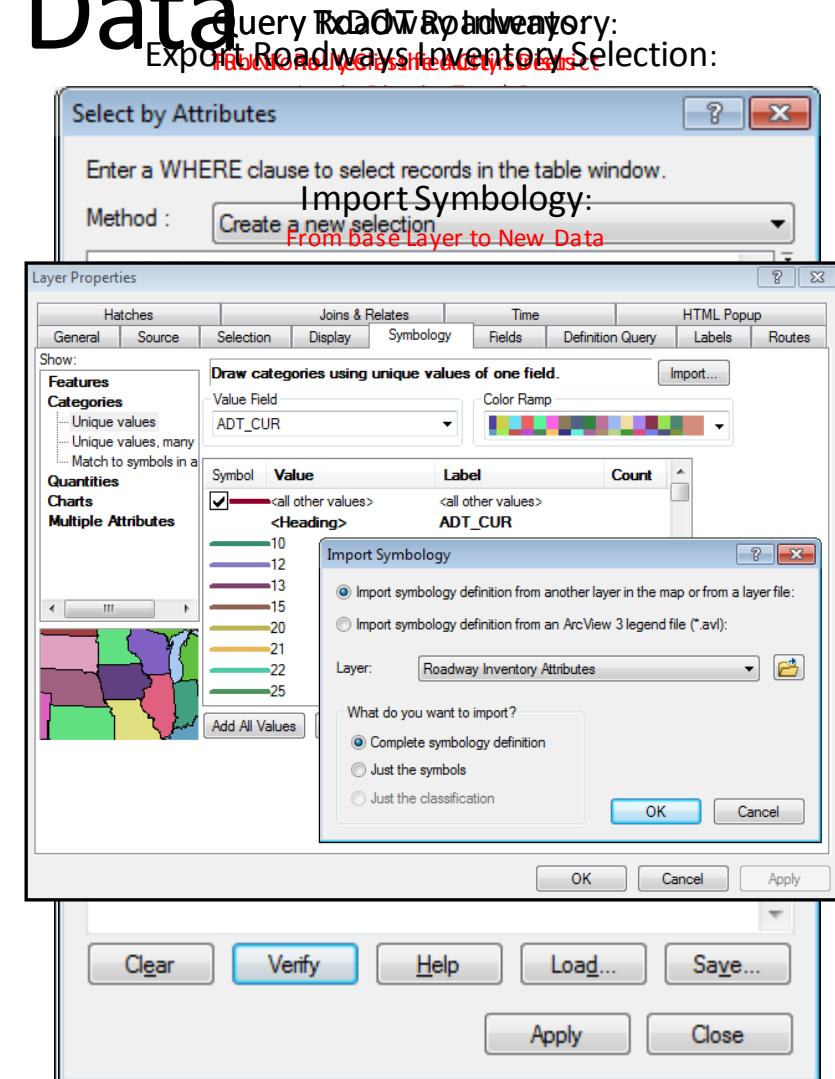
- Create custom symbologies
- Custom label styles



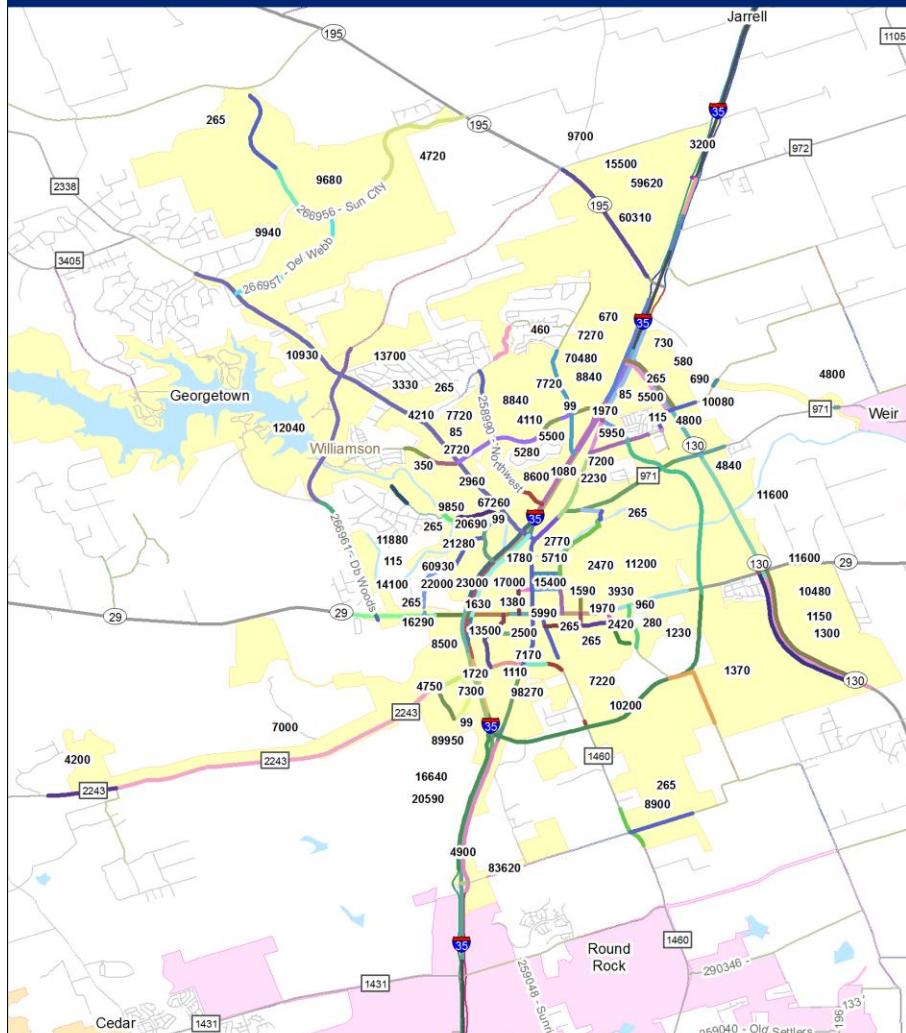
Querying Data

Spatial 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

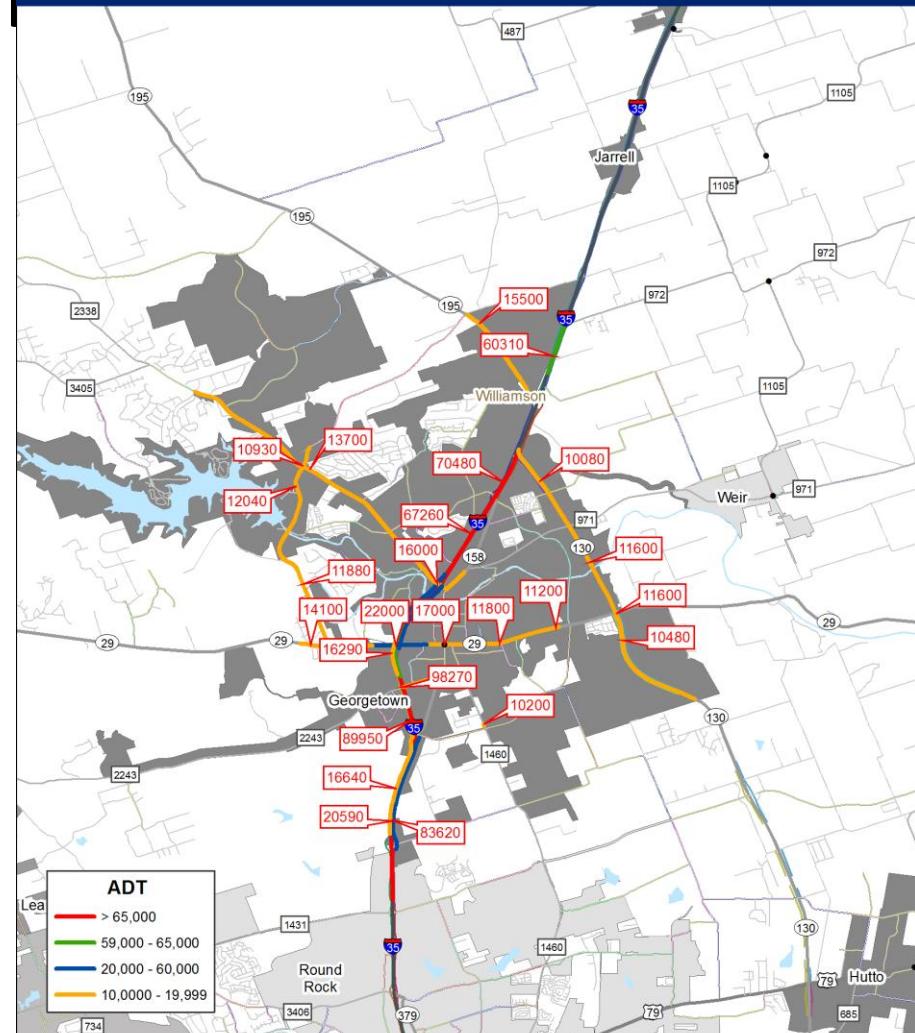


Texas Department of Transportation
Transportation Planning and Programming Division
Data Analysis, Mapping and Reporting Branch
Thursday, May 29, 2014

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The logo for the Texas Department of Transportation (TxDOT) is located in the bottom right corner. It features a blue star with a white outline and a red and white striped base. Below the star, the words "Texas Department of Transportation" are written in a blue, sans-serif font.

High Traffic Roadways - Georgetown



Texas Department of Transportation
Transportation Planning and Programming Division
Data Analysis, Mapping and Reporting Branch
Friday, May 30, 2014

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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!

Mike Zugelder
Jennifer Sylvester