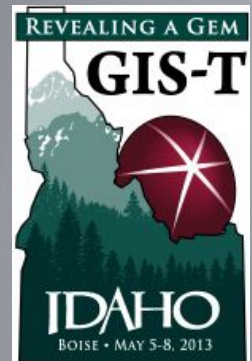


# E-TRIMS

*Tennessee Department of Transportation*

*Jeff Murphy*



# Background

TDOT's TRIMS (TN Roadway Inventory Information System) LRS was initially developed on a mainframe in the 1970's

In 1996, TRIMS was re-written in PowerBuilder by Intergraph

TRIMS client/server is used today primarily for data maintenance

E-TRIMS development with Intergraph started in 2007

# E-TRIMS

- Web Application
- Query data in the TRIM LRS database
- Internally Used by Planning, Structures, Maintenance, and Others
- Used by Consultants
- Used by MPO's, RPO's
- Used by Local Governments

# E-TRIMS Development Timeline

## Version 1.0      09/2008

Initial E-TRIMS with map view, photolog, route finder query, legend and map manipulation

## Version 1.1      06/2009

Access control and user sessions, query enhancements, tabular display interface

## Version 2.0      06/2010

Map navigation enhancements, map layer settings, modernize user interface

## Version 2.1      12/2010

Splash screen, security, side panel and query enhancements

# E-TRIMS Development Timeline

Version 3.0      08/2011

Advanced query, load query, save query

Version 3.1      10/2011

Login interface

Version 4.0      12/2012

Standard reports (14), view all inventory data

# Primary Database Tables

Highway (GIS Centerlines)

Road Segment

Route Feature

Roadway Description

Roadway Geometrics

Structures

Traffic

Maintenance Feature

Maintenance Inventory

# Road Segment Table

Functional Class

Government Control

Admin. System

Incorporated Area

Urban Area

MPA

Special Systems

US Routes

Road Name

# Route Feature Table

County Line

City Limits

Urban Boundary

Underpass/Overpass

Structure

Intersecting routes

Traffic Control

Hospitals, Churches, Cemeteries



# Roadway Description Table

Pavement

Shoulder

Median

Drainage

Turn Lane

Parking Lane

HOV Lane

# Roadway Geometrics

Number of lanes

Thru lanes

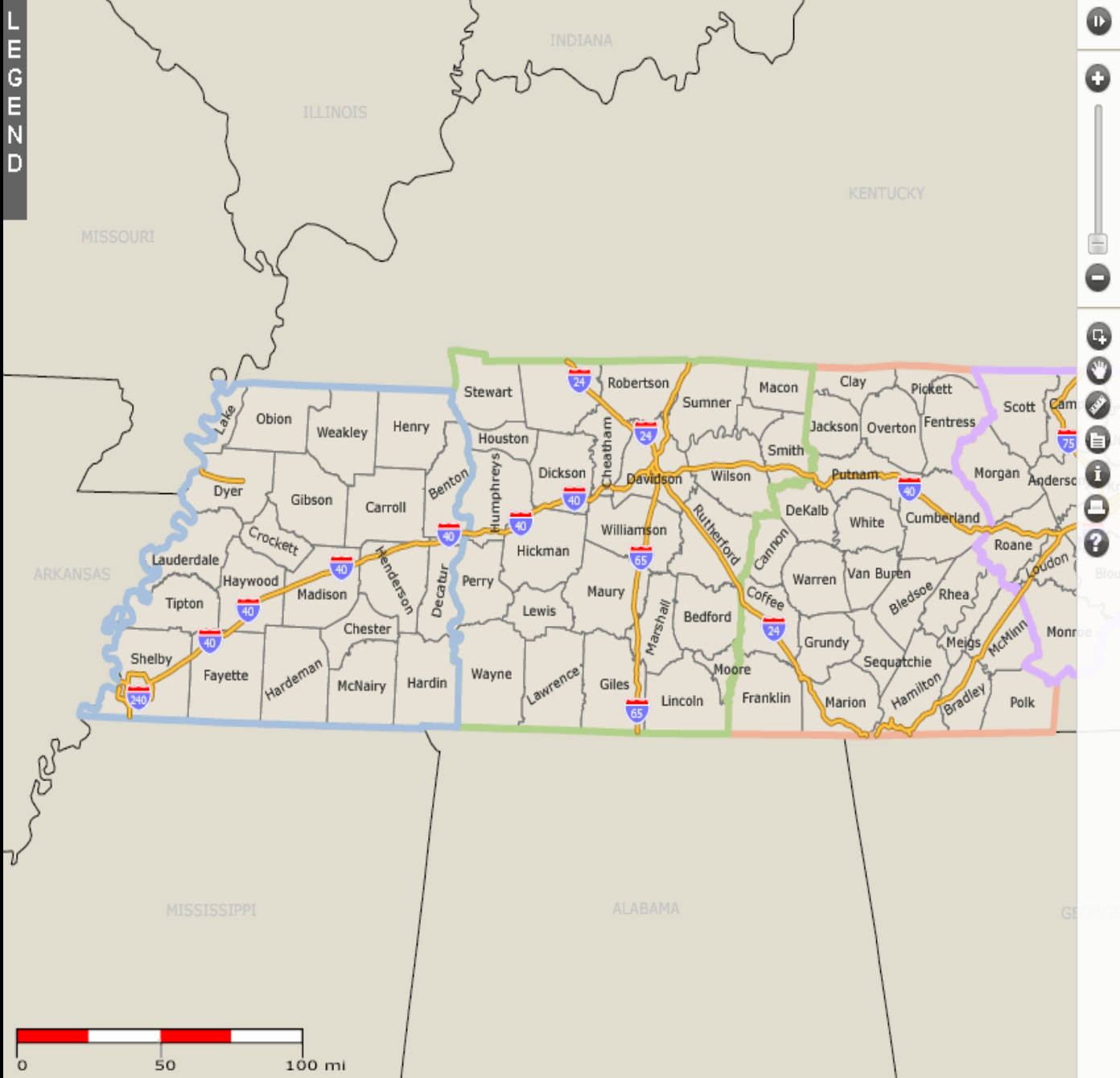
Speed limit

Truck speed limit

School speed limit

Illumination

Access Control



**Query** Options Map Layers

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**Simple**

Query Type:

Info Type:  
  
 (Linear Data)

Select an Area:  
 County   
 City

Select a Route or Road Name:  
 Route   
 Special Case   
 County Seq   
 BLM  ELM   
 Road Name

Locate

Select Route Symbology:  
 Color  
 Weight  px

Select Output Options:

**Advanced**

**Load**

**Current Queries**

**Thematic Queries**

# E-TRIMS Demonstration

Questions