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# **2019 LOCAL DATA INTEGRATION PROGRAM (LDIP)**

# Vision

- Distribution and availability of Enhanced Tennessee Roadway Information Management System (E-TRIMS).
- Highway Performance Monitoring System
- Providing a platform for distressed counties.
- The establishment of a local government data integration program that will allow communities, cities, and counties to share roadway data seamlessly and repeatedly.
- This integration will build an accurate, robust, and complete state network through an online platform – ESRI based.
- Work with municipalities to improve our current system.

# Utilizing Local Governments

- **After researching peer State DOT data collection processes and case studies, our office determined the deployment of GIS technology or web-based applications to local communities as a viable option.**

# LRS and Roads and Highways



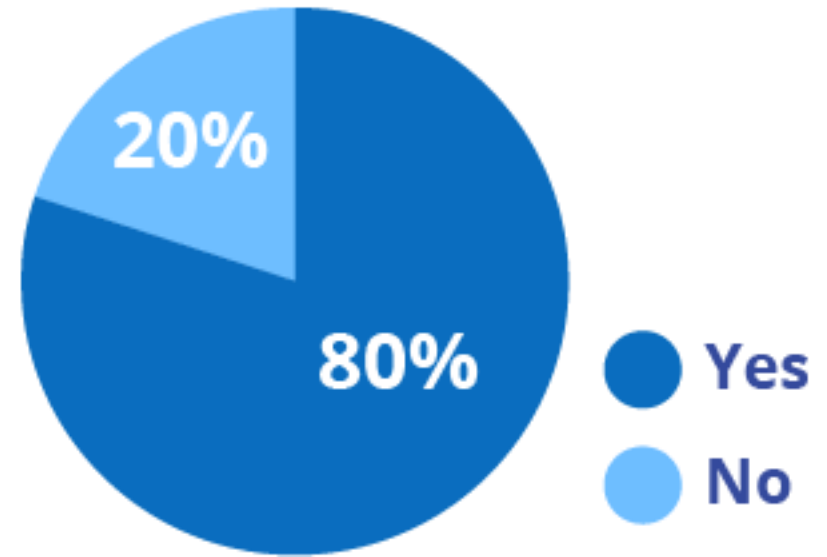
# State Comparison

- **Wisconsin Department of Transportation requires local entities to contribute centerline mileage and roadway data.**
  - **Wisconsin State Law “requires local agencies to report public roadway mileage to WisDOT for the purposes of allocating State General Transportation Aid funds.”**
  - **WisDOT developed the Local Roads and Streets Council (LRSC) to improve data sharing between the state and local governments and provide tools to local agencies for roadway inventory updates, pavement analysis, and crash location information.**
  - **To update physical roadway attribute information, local agencies receive access to the WISLR website.**

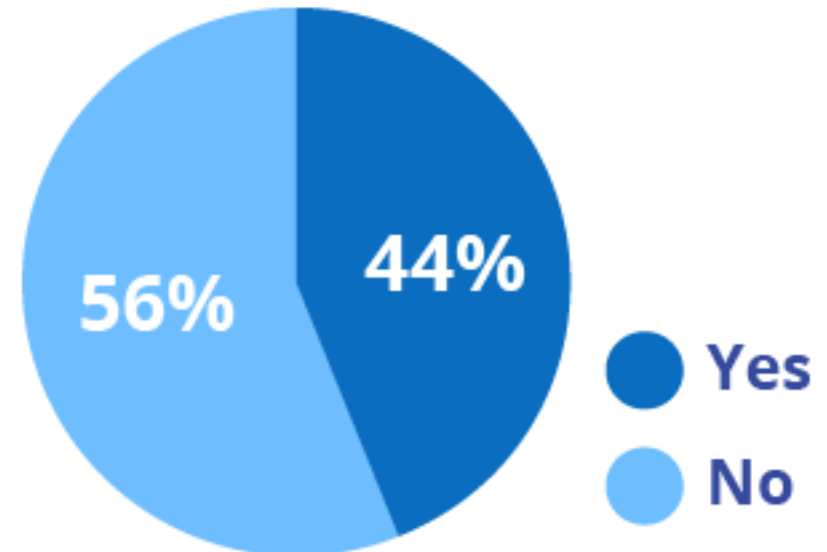
# Outreach

- A survey gaging interest and inventory was distributed to MPOs, RPOs, local municipalities, and counties.
- Met with employees from the County Technical Assistance Service (CTAS) to discuss a potential partnership.
- During the MPO data tour, brochures were distributed to MPO leaders.
- Met with State Aid Engineers to discuss new State Aid Form.

## Agencies that use GIS



## Agencies that use E-TRIMS

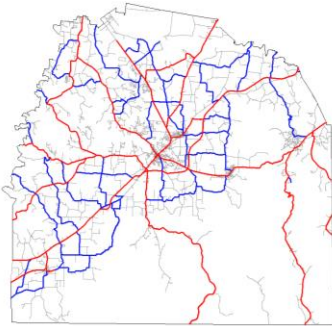


# Options for Collecting Local Data

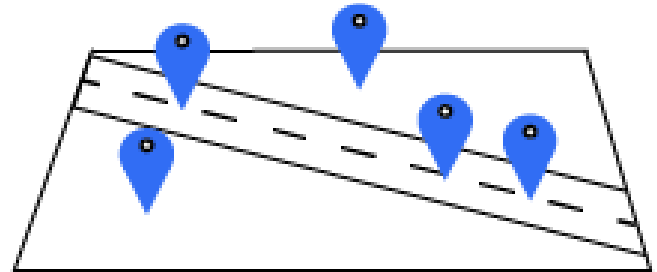
- A change log, stored in the cloud, for each local reporting agency to update changes to road inventory.
- Encourage local reporting agencies to utilize Open Street Map to make local network updates.
- Along with the transition to Roads and Highways, allow local access to Event Editor to update attributes and 'redline' centerlines.
- Give locals access to mobile collection applications, such as Collector for ArcGIS, for local data collection and statewide integration.
- Geodatabase, stored in the cloud, for locals to share spatial data with TDOT.
- Web map, managed by TDOT, where locals have rights to edit network directly.

# Short Term: State Aid

**Step One – Implement State Aid Online Form:**



**Step Two - State Aid Data Collection:**





# State Aid Form

## TDOT State-Aid Data Request Form

1. For addition and deletion maps, please keep all submissions below 25 MB. Although PDFs are preferable, submissions may be sent as a PNG or JPEG.
2. The form allows for five additions and five deletions. If the submission surpasses the defined limit, users must submit an additional State Aid form(s).
3. For any additional questions or concerns, please contact Dawn Johnson at [Dawn.Johnson@tn.gov](mailto:Dawn.Johnson@tn.gov) or 615-253-5440.

Request Date

### Contact Information

Name\*

First Name

Last Name

Address\*

Address Line 1

Address Line 2

City

State

ZIP Code

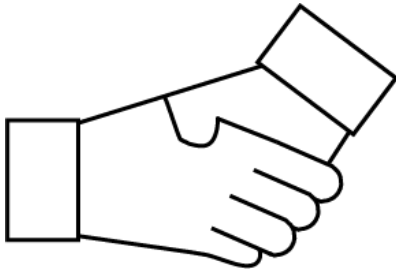
Phone

Fax

Email

# Long Term: Leverage ESRI Technology

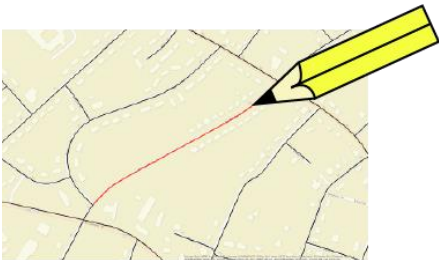
**Step One – Outreach, Communication, and Recommendations:**



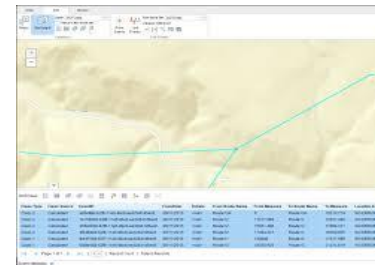
**Step Two - Creation of Pilot Program:**

**LOCAL DATA  
INTEGRATION  
PROGRAM**

**Step Four - Launching Pilot Program:**



**Step Three - Obtaining ESRI Technology:**



# Questions?

**What data elements or attributes are missing from our network?**

**What data elements or attributes should be added to the network?**

**What data elements or attributes need improvement?**

**For additional information, please contact Scott Pouder:**

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