

# NEEDS ASSESSMENTS AND PLANNING REPORTS





STEVE ALLEN

DIRECTOR

PROJECT PLANNING

DIVISION





# Commitment of Commissioner John Schroer

## **Mission Statement**

- *To serve the public by providing the best multimodal transportation system in the nation.*



## GOALS

- **Safety**- Increase safety and reduce the fatality rate on TN roadways.
- **Efficiency**- Generate operational efficiencies that will fund more projects.
- **Economic Opportunity**- Use economic development opportunities as one of our primary criterion for project selection
- **Collaboration with Local Partners**- Partner with MPO's, RPO's, and local leaders in establishing statewide transportation priorities.
- **Environment**- Decisions are made considering environmental impacts.

# PROJECT PLANNING DIVISION

**Director  
Steve Allen**

**Assistant Director  
Special Projects  
Elizabeth Smith**

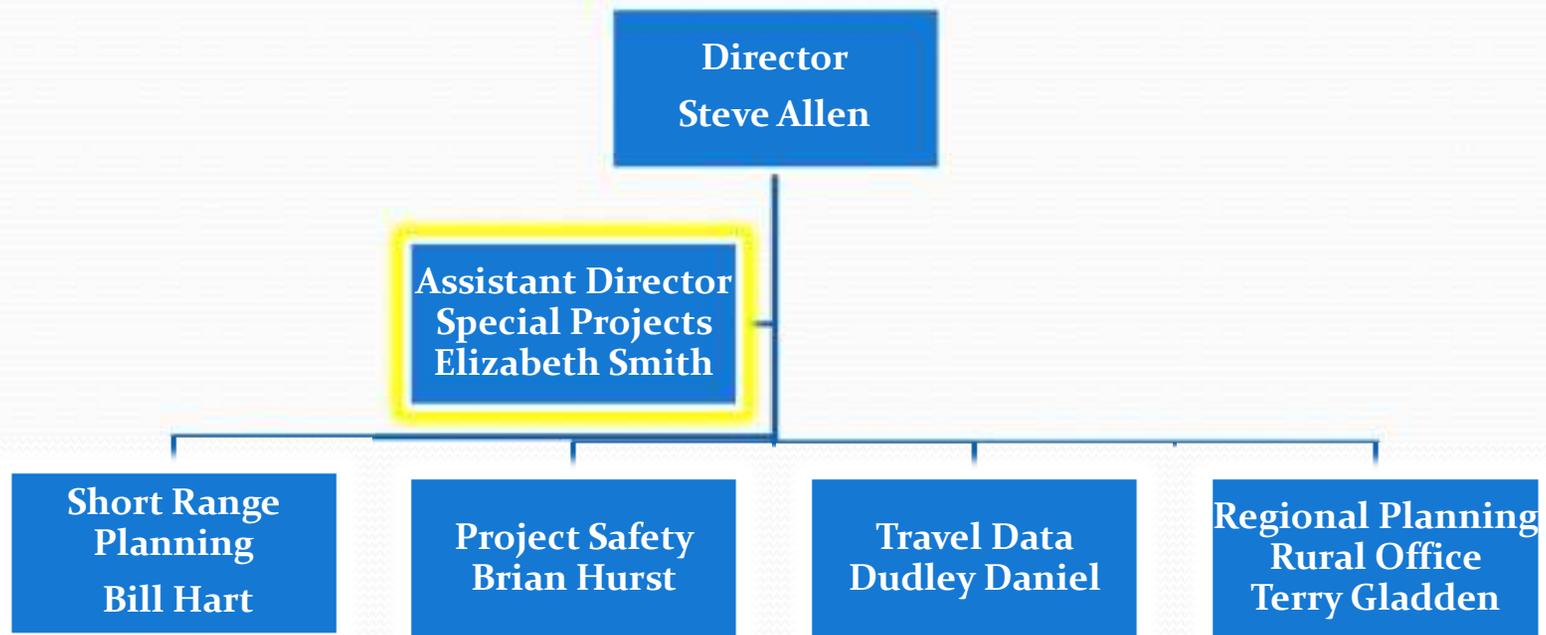
**Short Range  
Planning  
Bill Hart**

**Project Safety  
Brian Hurst**

**Travel Data  
Dudley Daniel**

**Regional  
Planning Rural  
Office Terry  
Gladden**

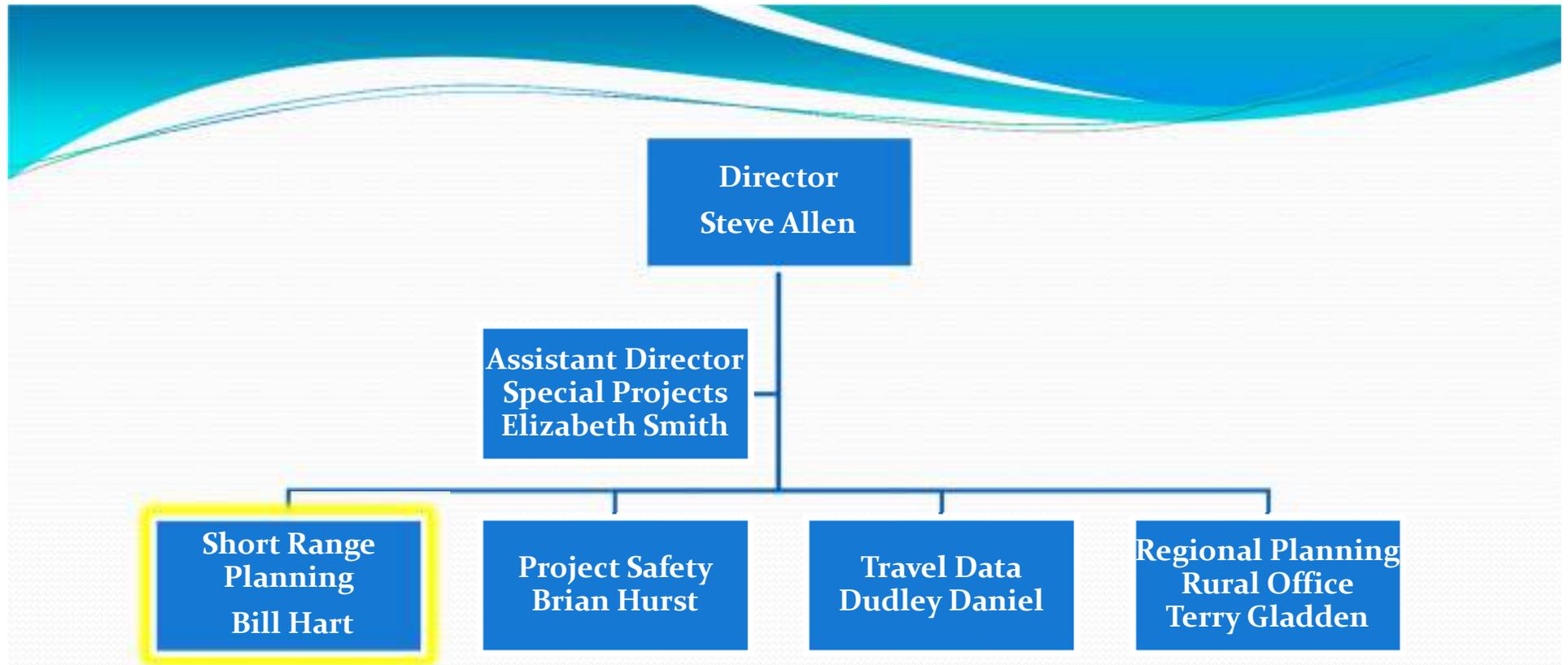




### Special Projects Section

- Maintains Division budget oversight
- Manages Division's Human Resources
- Responsible for training, cross-training of Division Staff
- Develop Division process documentation
- Support all projects and initiatives undertaken by the Project Planning Division





### Initiation Section

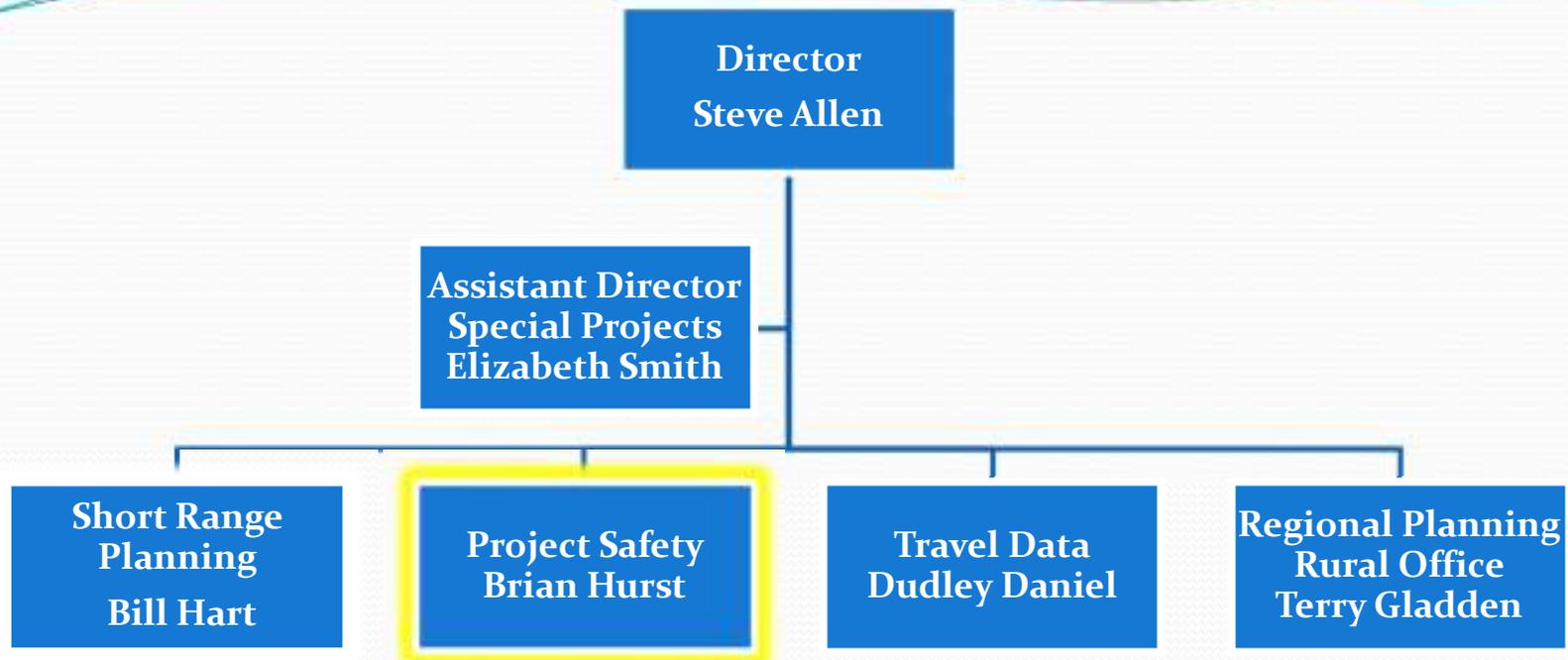
- Report Types
  - Location Study
  - Feasibility Study
  - Traffic Impact Study
  - Transportation Planning Report (TPR)
  - Interchange Access Report (IAR)
  - Road Safety Audit Report (RSAR)

*These aide the Dept in establishing priorities and developing project budgets for inclusion in the 3 Year Transportation Improvement Program (TIP)*

### Conceptual & NEPA Planning Section

- Visualize the Plan
  - Develop Corridor Options
  - Early Environmental Screening (EES)
  - Maintain Documentation Aspects for NEPA
  - Coordination & Support of Environmental Division
- Photo Rendering of Option Improvements
- Provide Technical Support for Department Stakeholder & Public Involvement





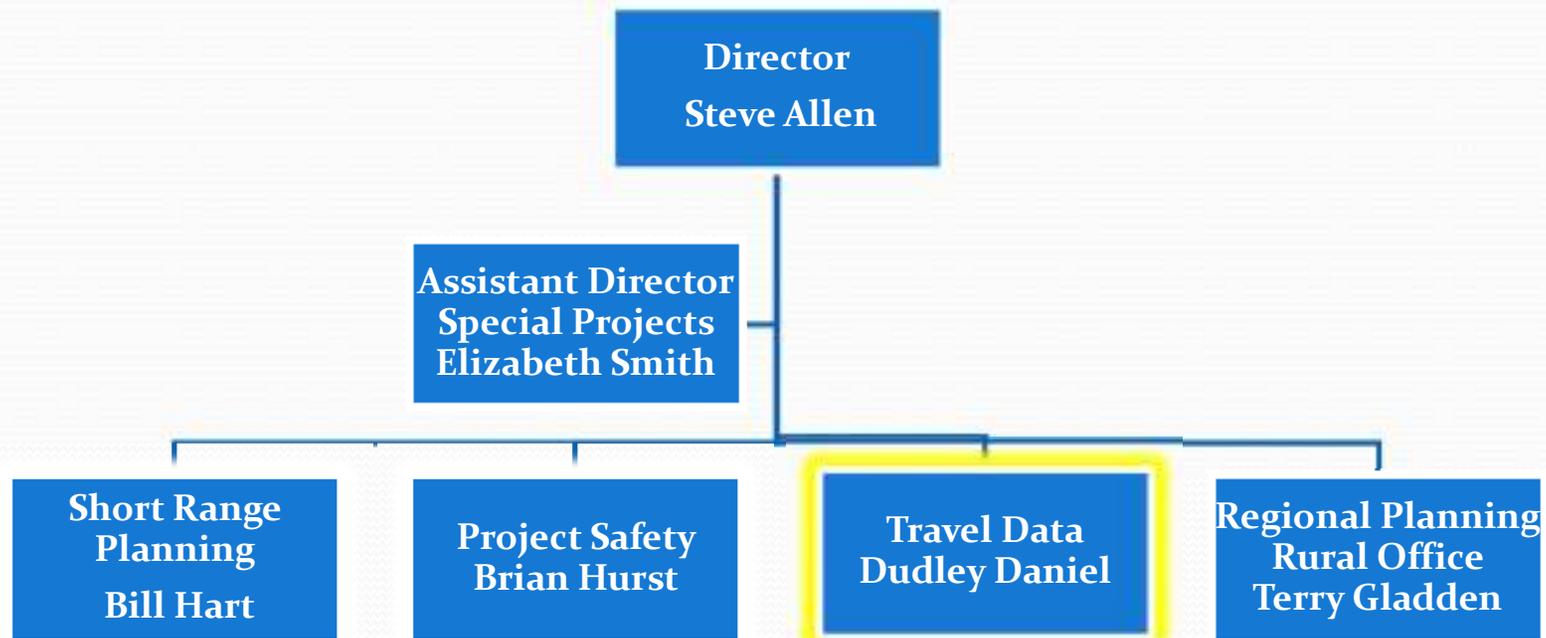
### Safety Project Section

- **Highway Safety Improvement Program**
  - Hazard Elimination Safety
  - High Risk Rural Roads
  - Ramp Queue
  - Corridors
  - Roadway Cable Barrier Median

### Safety Data Section

- **Safety Statistics**
  - Provide Crash Statistics
  - Define Locations for Possible Safety Improvements





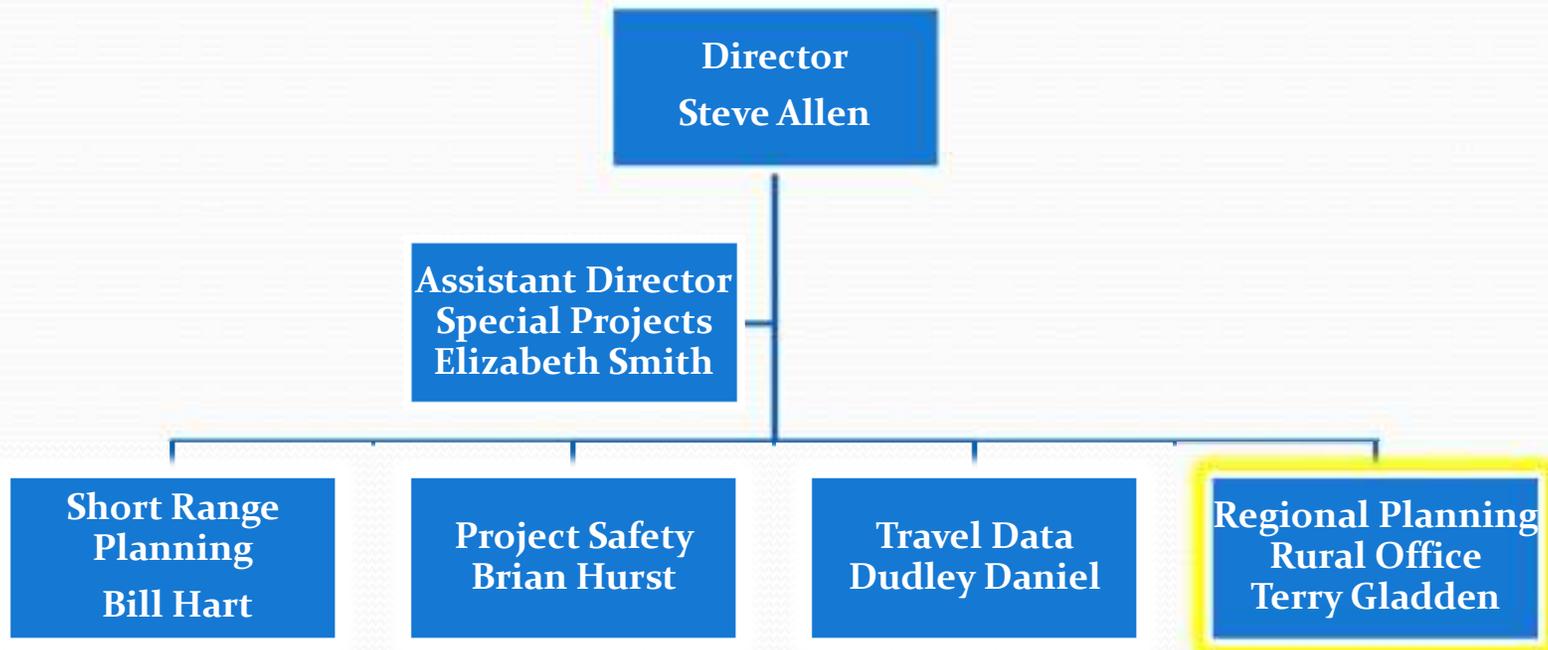
### Travel Data Section

- Collection and dissemination of all types of travel data
- Incorporating all traffic data into computer data bases
- Road system inventory and traffic counts statewide

### Analysis Section

- Traffic Forecasting
- Roadway Traffic Sensors to report Travel Data
- Compiles and Reports Travel Data for HPMS to PHWA





### Needs Assessment Section

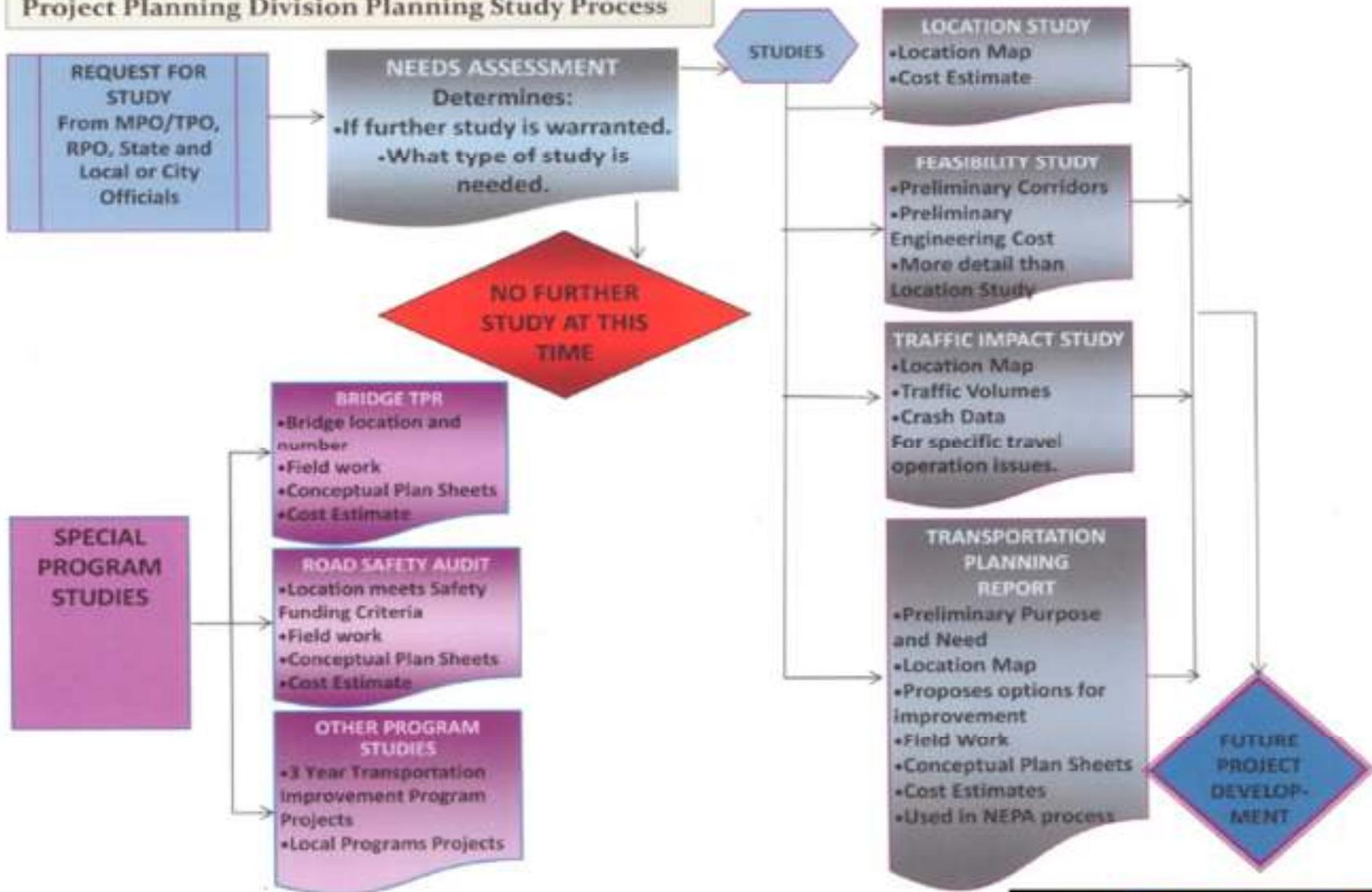
- Determines potential projects for study
- Identify locations for RPO priority listing

### Consultation Section

- Provides project planning coordination to RPOs and others
- Identifies and coordinates local and county land use planning in the early stages of project development



## Project Planning Division Planning Study Process



- **REQUEST FOR STUDY**
- From MPO/TPO, RPO, State and Local or City Officials



## NEEDS ASSESSMENT

Determines:

- .If further study is warranted.
- .What type of study is needed.

**NO FURTHER  
STUDY AT  
THIS TIME**



# STUDIES

## LOCATION STUDY

- Location Map
- Cost Estimate

## FEASIBILITY STUDY

- Preliminary Corridors
- Preliminary Engineering Cost
- More detail than Location Study

## TRAFFIC IMPACT STUDY

- Location Map
- Traffic Volumes
- Crash Data
- For specific travel operation issues.

## TRANSPORTATION PLANNING REPORT

- Preliminary Purpose and Need
- Location Map
- Proposes options for improvement
- Field Work
- Conceptual Plan Sheets
- Cost Estimates
- Used in NEPA process

FUTURE  
PROJECT  
DEVELOPM  
ENT



**SPECIAL  
PROGRAM  
STUDIES**

**BRIDGE TPR**

- Bridge location and number
- Field work
- Conceptual Plan Sheets
- Cost Estimate

**ROAD SAFETY AUDIT**

- Location meets Safety Funding Criteria
- Field work
- Conceptual Plan Sheets
- Cost Estimate

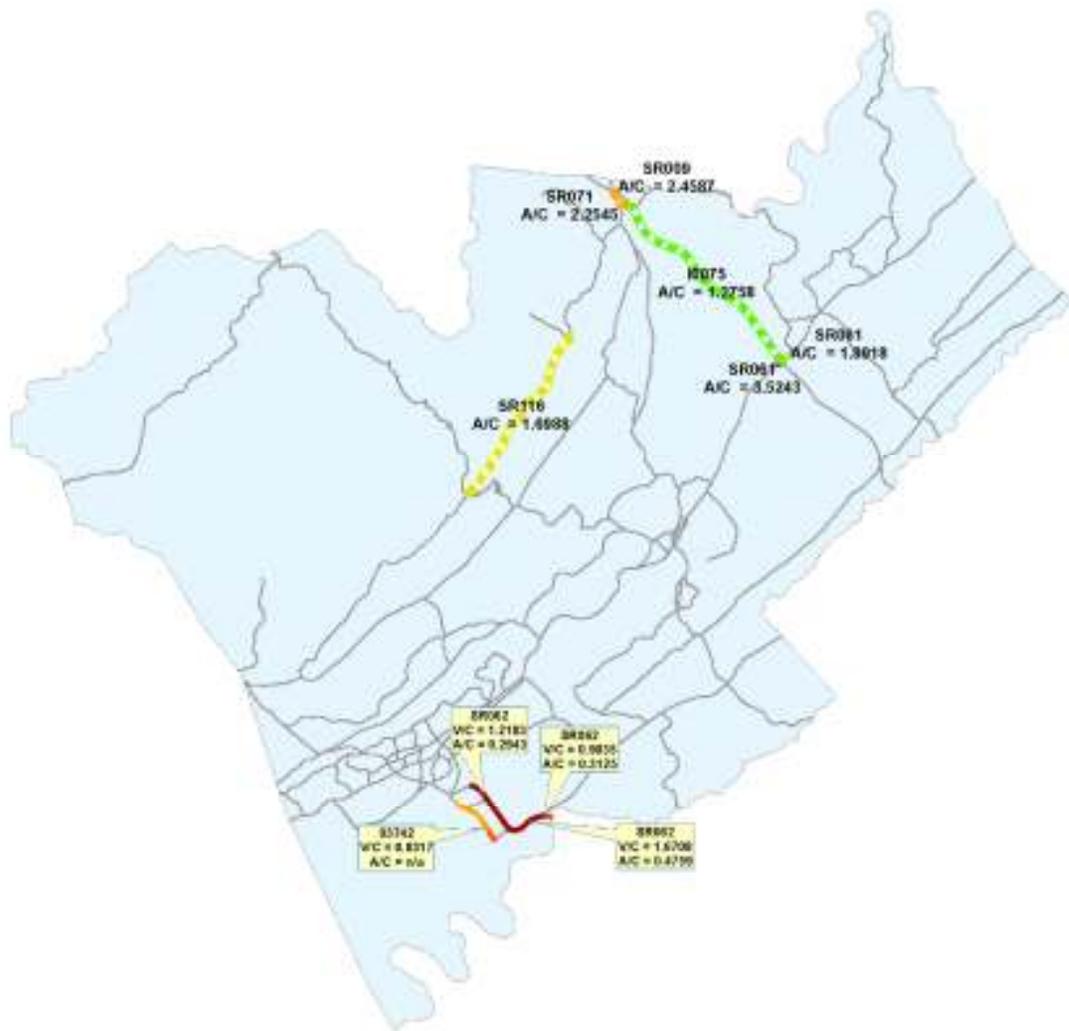
**OTHER PROGRAM STUDIES**

- 3 Year Transportation Improvement Program Projects
- Local Programs Projects





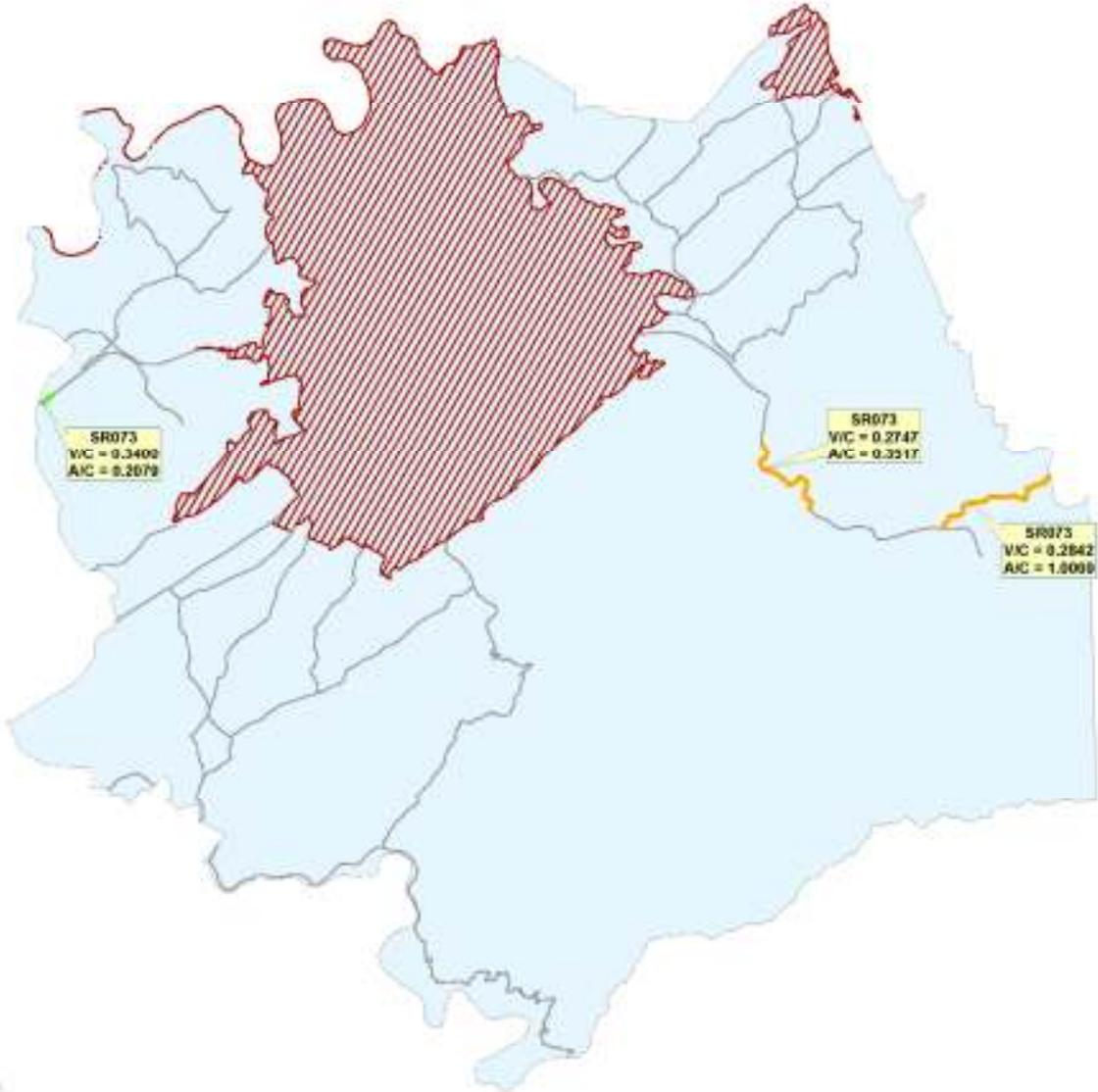
# Anderson County



County Level of Service	County Actual / Critical Crash Rate
A	< 1.0
B	1.0 - 1.5
C	1.5 - 2.0
D	2.0 - 2.5
E	2.5 - 3.0
F	



# Blount County

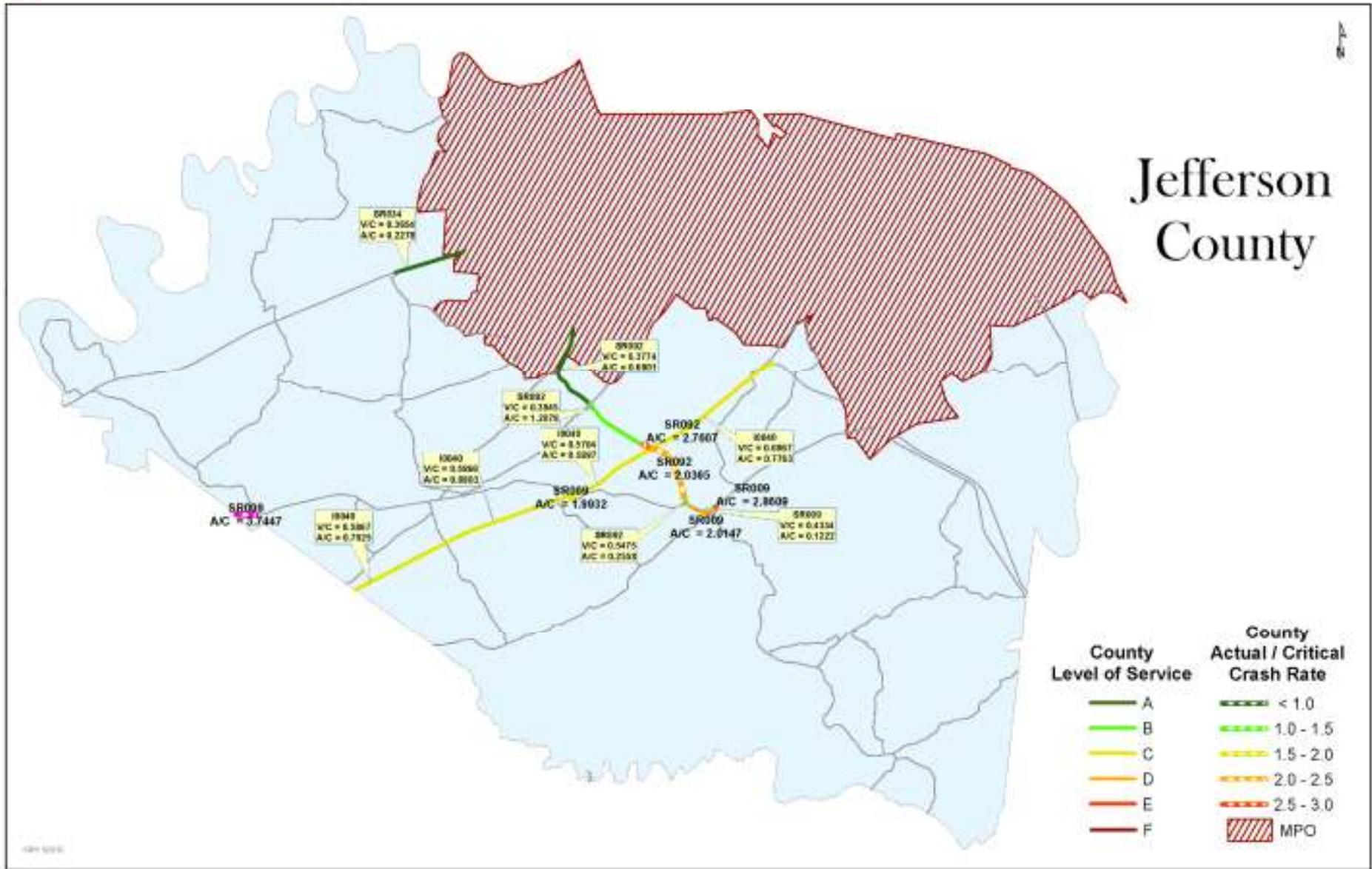


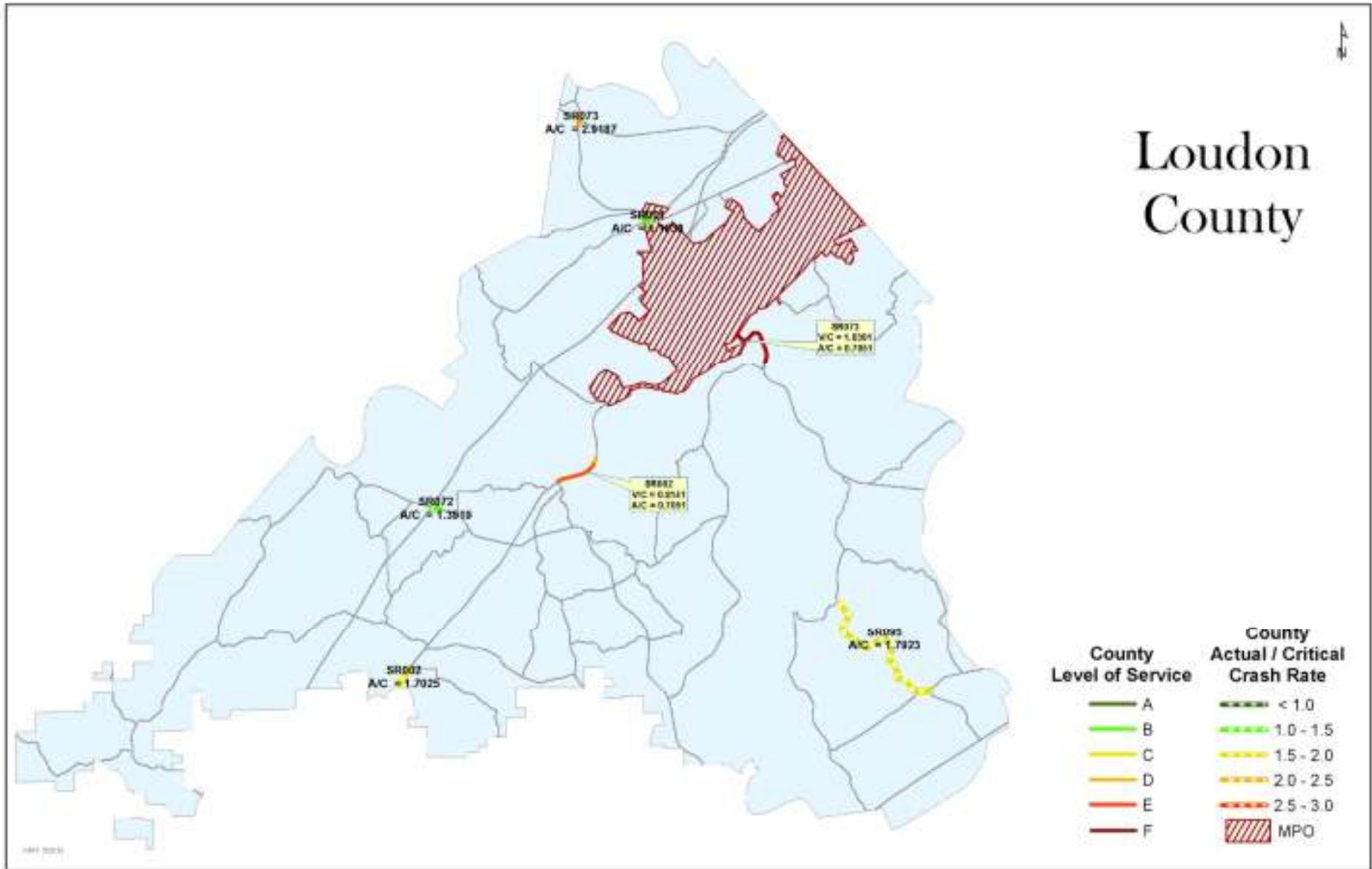
County Level of Service	County Actual / Critical Crash Rate
A	< 1.0
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C	1.5 - 2.0
D	2.0 - 2.5
E	2.5 - 3.0
F	MPO

# Cocke County



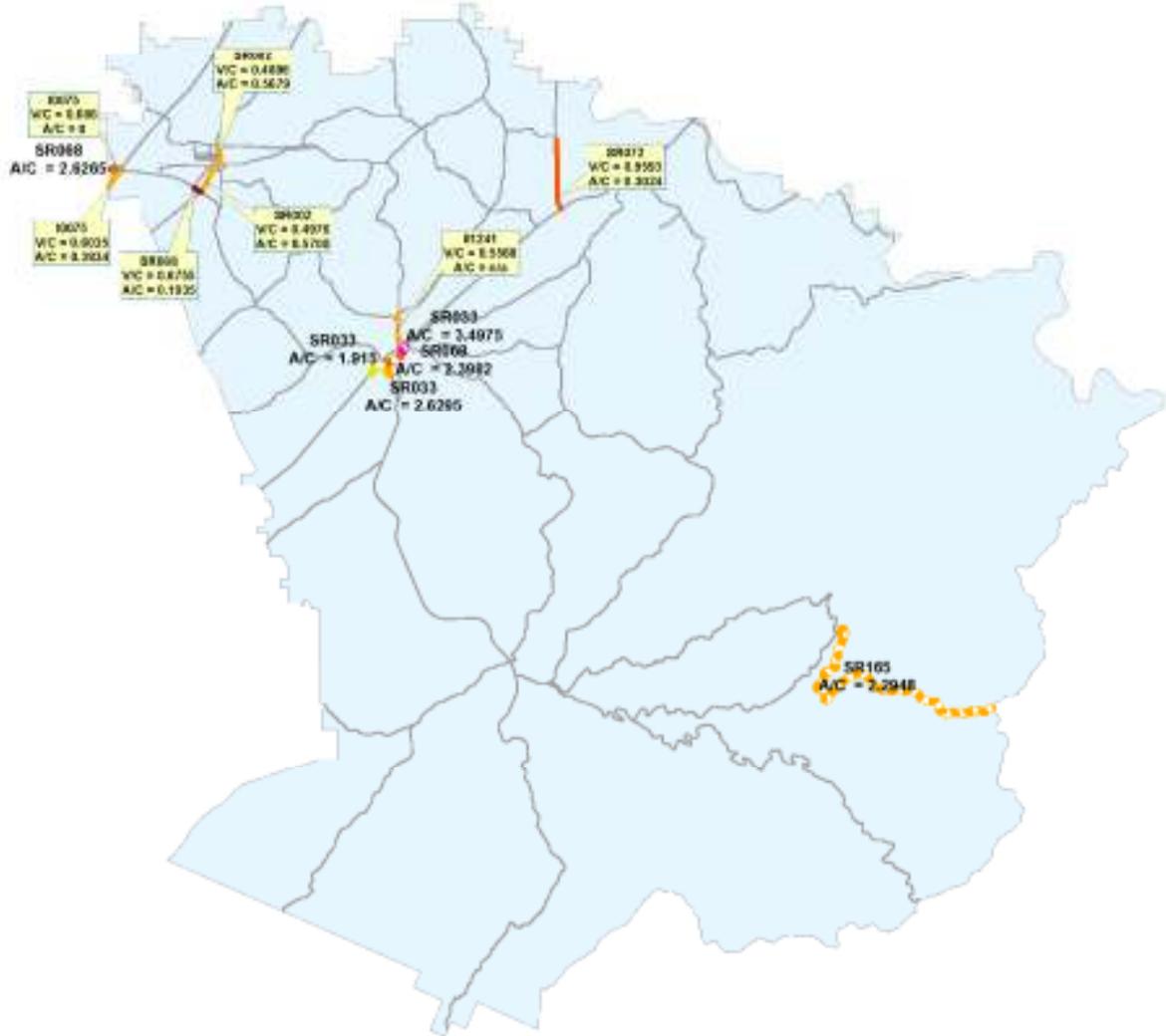
County Level of Service	County Actual / Critical Crash Rate
A	< 1.0
B	1.0 - 1.5
C	1.5 - 2.0
D	2.0 - 2.5
E	2.5 - 3.0
F	





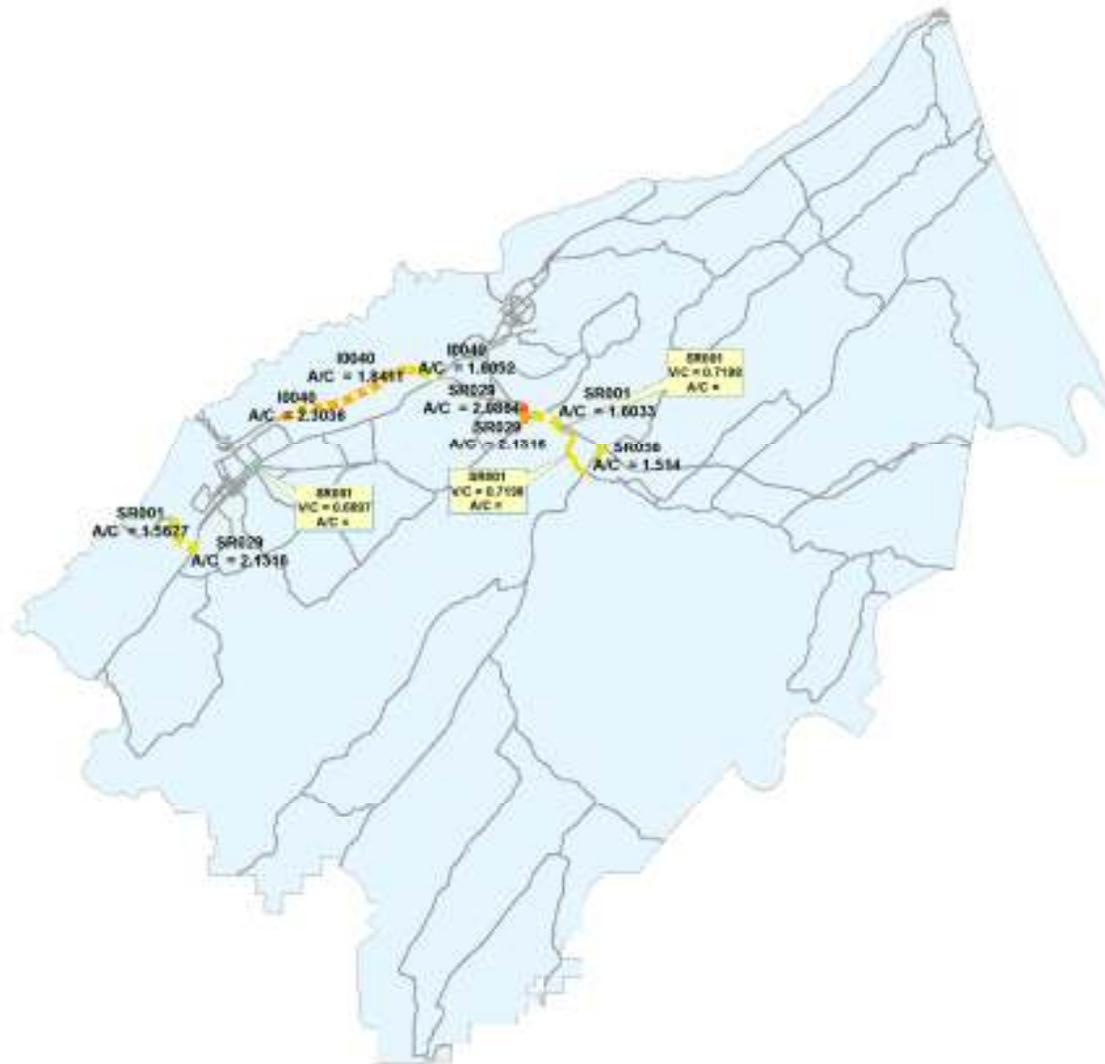


# Monroe County

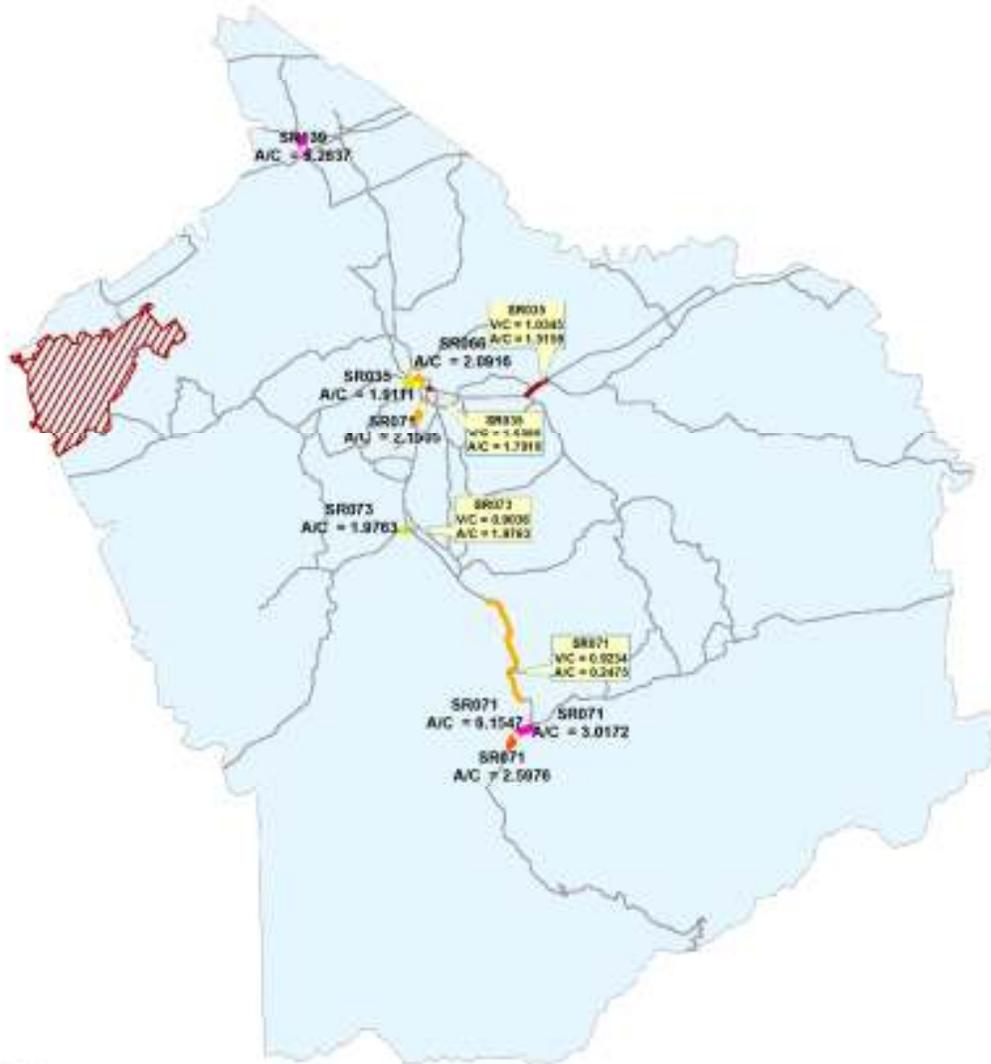


County Level of Service	County Actual / Critical Crash Rate
A	< 1.0
B	1.0 - 1.5
C	1.5 - 2.0
D	2.0 - 2.5
E	2.5 - 3.0
F	> 3.0

# Roane County



# Sevier County



County Level of Service	County Actual / Critical Crash Rate
A	< 1.0
B	1.0 - 1.5
C	1.5 - 2.0
D	2.0 - 2.5
E	2.5 - 3.0
F	MPD

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Thank you.

Quest?ons !!!

