



# RESEARCH NEED STATEMENT

Call for Projects 2015

Project Research Title: TDOT Access Management Guidance

TDOT Sponsor Director: Jennifer Lloyd

List TDOT Research Team Lead: Ali Hangul

List TDOT Research Team Members: Robert Braun, Jason Oldham

1. Define the problem or research requested. What is the goal/objective of the research?

TDOT is lacking in having an Access Management guidance developed. Recently TRB Access Management Committee released a new 2015 Manual. It is time to create a new 2016 TDOT Access Management Manual. Access management regulates interchanges, intersections, driveways and median openings on a roadway. TDOT needs a standardized manual that addresses each of these and provides guidance for future projects.

2. Is this research a continuation of a past or present project?

No  Yes

If yes, provide current research project title, RES # and reason for the project continuation.

3. Describe anticipated benefits/expected deliverables.

Significant design benefits related to regulating interchanges, intersections, driveways and median openings

4. What is your timeline for completion of the research?

1 year

5. List the anticipated tasks for this research.

Review the TRB Manual and to modify it to TDOT needs

6. Describe how the project results will be implemented?

On every TDOT Roadway project.

7. Will this study produce software, web page or other technology that will involve the Information Technology Division?

No  Yes, please describe:

8. Will training be provided to employees as a result of this research?

No  Yes, please describe:

9. Will this research involve equipment or materials purchase?

No  Yes, please describe:

10. Research must support the Long Range Transportation Plan Policy Recommendations **and/or** TDOT Operational Goals and/or Strategic Initiative. (*See attachments for additional information*)

Please indicate which categories the research will support:

Transportation Long Range Plan Policy Recommendations

- (A) Accessibility
- (B) Safety, Security, and Transportation Resilience
- (C) Coordination, Cooperation, and Consultation
- (D) Demographic and Employment Changes and Trends
- (E) Freight Logistics and Planning
- (F) Financial
- (G) Mobility
- (H) Travel Trends and System Performance

TDOT Operational Goals and/or Strategic Initiative

- (A) Deliver transportation projects on schedule and within budget
- (B) Maintain the state transportation system to protect the long term investment in our infrastructure assets
- (C) Operate and manage Tennessee's transportation system to provide a high level of safety and service to our customers and workers
- (D) Expanding mobility choices to maximize access
- (E) Dramatically change the paradigm for delivery of transportation products and service to improve the efficiency and effectiveness of Tennessee's transportation network

11. Please explain how the research supports the Long Range Transportation Plan Policy Recommendations **and/or** TDOT Operational Goals and/or Strategic Initiative selected above:

As with any manual, a standard for personnel to go by, provides consistency throughout the state. Easily accessible and accurate material can ensure that transportation projects continue to be delivered on time, provide safe access for our customers, and improve efficiency in the transportation network. This project is supported by the Operations Division, Traffic Engineering Section.

For additional information, please contact:

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