## Research Problem Statement

**DATE:** 09/01/2016  
**PROJECT AREA:** Planning

**TITLE:** Annual Average Daily Traffic (AADT) Estimation for Local Roads

**Problem Statement:**
Moving Ahead for Progress in the 21st Century (MAP-21) requires AHTD to report Average Annual Daily Traffic (AADT) for every paved roadway across the state, whether it is owned by the state, county or city. Traffic counts are expensive and the requirement of AADT for each intersection and intersecting roadway is a monumental task, both logistically and financially. Additionally, there are no viable means to accomplish this under the current staffing or funding scenarios.

**Objectives:**
Devise a least-cost methodology to meet the MAP-21/FAST Act reporting requirement for AADT for every roadway facility, regardless of ownership and develop methods to estimate AADT as rational alternatives for traffic count data on local roadways.

**Form of Research Implementation:**
This research will help to create the required plan to incorporate the MIRE-FDE’s into the Traffic Records Strategic Plan and be fully compliant for all public roads by September 30, 2026. All of these efforts are all tied into the Highway Safety Improvement Plan (HSIP), and could be beneficial from knowing the local road VMT estimation and HPMS.

**Reviewer:** Tymli Frierson  
**Prepared By:** Greg Nation  
**Agency:** AHTD  
**Estimated Project Duration:** 24 months