

Research in Progress

MassDOT Speed Regulations Editing Support - Phase II

Research Need

The purpose of this project is to support the ongoing MassDOT highway safety study related speed regulations continuing the efforts employed under SPR1B19-12.

Goals/Objectives

The existing speed regulation statutes have historically been housed in a MassDOT maintained file system with static scanned PDFs per regulation identification number describing the geographic extent of the roadway an adopted speed limit is established using a from location to location, and length in miles per speed limit. Amendments to regulations are also documented in this system of record.

Phase 2 of this work task focuses efforts on review, editing, and creation of the State Highway speed regulations along the MassDOT ESRI Roads and Highways Speed Regulation Event in reference to the regulation statute documents. The project will employ student workers to assist (in part) with tasks such as: editing existing MassDOT GIS data, completing research of speed regulations, querying MassDOT databases for data extraction, and present maps and other data visualizations as deliverables.

Project Information

This project is being conducted as part of the Massachusetts Department of Transportation (MassDOT) Research Program with funding from Federal Highway Administration (FHWA) State Planning and Research (SPR) funds.

Principal Investigators:

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Performing Organization:

University of Massachusetts Amherst

Project Champion:

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Project Start Date:

1/16/2025

Expected Project Completion Date:

9/30/2025

Methodology

The three main project objectives include:

1. Conduct on-boarding and supervisor training sessions, including providing login access to GeoDOT Enterprise portal
2. Perform speed regulation editing tasks and validation of the State Highway regulations
3. Provide quality control and supervision of work performance to include review of material and requests for correction on edits when necessary

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