

Research in Progress

Speed Management Countermeasure Selection and Process Guidance

Research Need

Higher speed increases the risk of a fatal or serious crash and reduces the likelihood of survival. MassDOT seeks to enhance its design and process guidance to help municipalities achieve speed management objectives.

Goals/Objectives

This project aims to develop methods and guidance in three areas:

1. Develop a method to systemically identify current and future areas of speed concern
2. Create guidance for the selection of speed management countermeasures given particular roadway and context conditions
3. Create guidance about how to execute a municipal speed management program and implement speed management countermeasures

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:

Kittelson & Associates, Inc.

Project Champion:

Chris Falcos

Project Start Date:

3/13/2026

Expected Project Completion Date:

9/30/2027

Methodology

1. Review relevant publications to identify best practices.
2. Develop practitioner-friendly method to identify areas of speed concern. Test the method on up to 5 miles of corridor. Refine method and document in a decision tree or scoring matrix format.
2. Develop draft countermeasure selection guide and hold a virtual workshop with municipal partners to obtain feedback. Finalize countermeasure selection guidance.
3. Develop draft process/program guidance and hold a virtual workshop with municipal partners to obtain feedback. Finalize process/program guidance.

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