

MassDOT Municipal Systemic Safety Projects and Road Safety Audit Updates

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Rectangular Rapid Flashing Beacons (RRFB) Program

Currently in progress – wrap up in Spring 2026

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Municipal Application and Screening

- Distributed through LTAP, MPOs
- 315 responses (95 municipalities)

Materials Provided

- Two and three post systems
- Precast foundations, posts, signage, APS Push buttons, and solar-powered overhead crosswalk lights

Screening

- Site conditions – land usage, sightlines, existing lighting, vegetation, accessibility, sidewalk connections, etc.
- Speed/Volume data – collected by various sources

Results

- 226 locations across 71 municipalities (confirmed participation)
- As of 01/20/26, ~80 locations have been installed and more to come



RRFB Installation Photo

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Bay Road (Route 47) at Middle Street, Hadley, MA



Conversion of TWSC to AWSC

Round 1 Locations going live, Round 2 underway

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Convert two-way stop-controlled municipal intersections to all-way stop control

Systemic Screening

- 2-way stop-controlled intersections under municipal jurisdiction
- Have experienced at least **5 angle crashes during a 3-year period** for a 3-legged intersection and **6 angle crashes during a 3-year period** for a 4-legged intersection (*MUTCD 2B.13 Warrant A: Crash Experience*)

Materials Provided:

- Static and LED-Enhanced Stop Signs (R1-1)
- "ALL WAY" Plaques (R1-3P)
- STOP Ahead signs (W3-1), New Traffic Pattern Ahead (W23-2)
- Signposts and Signpost Reflectors

Engineering Review

- Site conditions – sightline, grading, intersection geometry, etc.
- Speeds and Volumes – LOS and queues

Results

- Round 1, Converting **40** intersections in **21** municipalities to All-Way Stop Control
- Round 2, currently evaluating 60 locations



All-Way Stop Control Conversion Photos

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Forge Village Road at Town Farm Road, Westford



Materials Procurement For Municipalities

Past Projects

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- **Systemic Approach to Safety**
 - Targeting top-risk locations
 - Quick timeline, highly effective, far-reaching
- **FoRRRwD (Focus on Reducing Rural Roadway Departures)**
 - Horizontal Curve Signage and Speed Feedback Signs
 - 50 participating municipalities in Districts 1, 2, and 3
- **Combination School Zone Speed Limit and Speed Feedback Signs**
 - 281 assemblies to 130 participating municipalities
 - 50 New School Zones established
- **VRU Safe Passing Signs**
 - 3800 signs provided to 149 municipalities



MassDOT Road Safety Audit Guideline Updates

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Oct 2024 – Updated RSA Guideline
Oct 2025 – Updated RSA Template

- Report structure and required supporting materials – require the inclusion of speed data.
- Estimated implementation time frames/cost breakdown for safety enhancements.
- Report reading accessibility requirements.

NOTE: To meet Commonwealth requirements on accessible documentation, please utilize

- the [Microsoft Word Document Accessibility Testing Checklist](#) and
- the Commonwealth's guidance on [Making Accessible Word Documents for PDF Export](#)

Additional tips are provided in highlighted text within this document.

Please delete these notes prior to finalizing the document.

ROAD SAFETY AUDIT

[Audit Location]

Municipality of [Name]

[Date]

Prepared For:
MassDOT



On Behalf Of:
[Client Name]

Insert Logo Here

Prepared By:
[Company Name]
[Company Address]

Insert Logo Here

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Massachusetts Department of Transportation

ROAD SAFETY AUDIT GUIDELINES

October 2024

