

NCHRP 17-113 COUNTERMEASURES

Temporal Effects of Automated Section Speed Enforcement System - 12 Months



SPEEDING

Automated Speed Enforcement systems monitor vehicle speeds and capture violations through photo documentation, promoting safer roads through continuous speed limit enforcement

Implementation Strategy

How and Where to Apply

- ASE cameras are deployed in areas with frequent speeding where traditional law enforcement presence is limited or resource-intensive.
- They are most effective in school zones, construction zones, crash-prone corridors, and busy urban roadways with vulnerable users.
- Deployment types include permanent installations, mobile units, or point-to-point setups tailored to site-specific enforcement needs.

Key Stakeholders

Traffic engineering departments, law enforcement agencies

Proactive Implementation

Automated speed enforcement can be applied proactively where speeding is documented or anticipated. Site selection may rely on traffic data, crash trends, or community concerns. A broader systemic method can help flag high-risk corridors with vulnerable road users, low visibility, or previous speed-related crashes.

Use in a Safe System Approach

ASE technology helps realize the SSA goal of safe speeds by reliably enforcing limits, reinforcing driver accountability, and supporting other safety strategies in high-risk environments

Countermeasure Overview

Objective: Improve efficiency and effectiveness of speed enforcement efforts

Strategy: Use targeted conventional speed enforcement programs at locations known to have speeding-related crashes

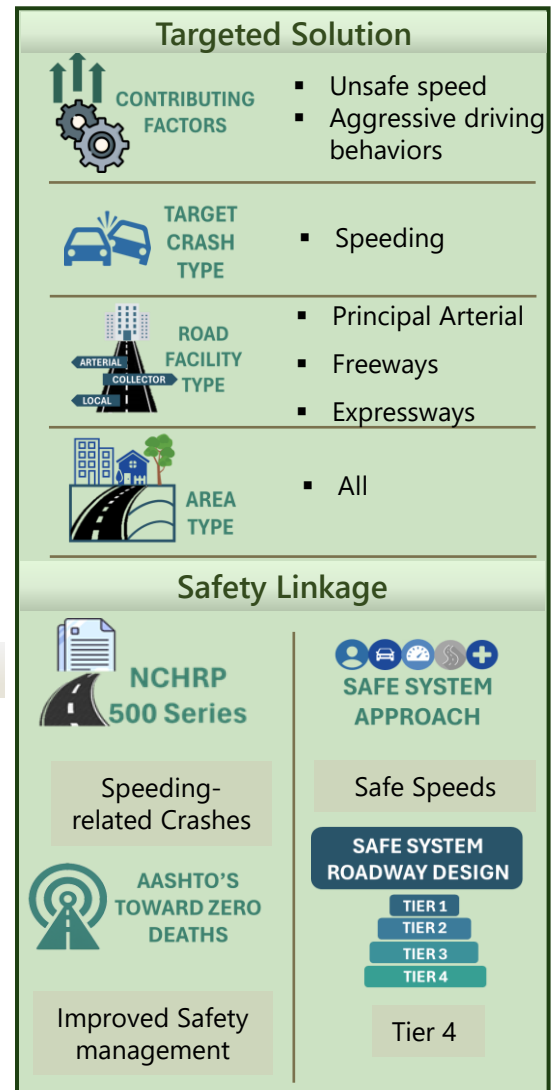
Selected Related Countermeasures

- CM1** Interactive speed monitoring signs
- CM2** Intensive speed enforcement patrols
- CM3** Speed limit adjustment and education efforts

Cost: \$ (Moderate)

Service Life: NA

Benefit-Cost Ratio:



ASE cameras. Source: [NCSL](#)

Safety Benefits

34%

Reduce crashes on freeways and arterials¹

¹ CMF ID: 4151

Resources

- [FHWA Speed Safety Camera Program Guide](#)
- [FHWA Speed Safety Cameras](#)

