Install Automated Speed Camera at Signalized Intersection



Targeted Solution

Automated speed cameras installed at signalized intersections improve safety and help enforce speed limits.

Implementation Strategy

How and Where to Apply

- Install automated speed enforcement cameras at signalized intersections with a documented history of speeding-related crashes.
- These systems detect speeding vehicles and issue citations by mail, providing continuous and unbiased enforcement.
- Ideal for multilane approaches to intersections with high pedestrian activity or crash clusters.

Use in a Safe System Approach By automatically enforcing speed compliance, speed cameras address the root behavioral cause of many urban crashes unsafe speed and do so proactively and equitably. Their ability

to operate continuously at high-risk locations advances SSA goals by reducing the frequency and severity of crashes due to excess speed.

Key Stakeholders

Traffic Engineering Departments, Law Enforcement Agencies

Proactive Implementation

Use crash and speed data to identify intersections with excessive speeds or repeated violations. Prioritize locations with vulnerable road users (e.g., near schools or transit hubs) or high crash severity. Combine deployment with visible signage and community education campaigns to increase compliance and public support.

Countermeasure Overview

Objective: Improve efficiency and effectiveness of speed enforcement efforts

Strategy: Implement automated speed enforcement

Cost: \$ (Moderate to High)

Service Life: 10 years

Benefit-Cost Ratio:

CONTRIBUTING FACTORS

Drivers disregard traffic signals



Speeding



Not specified



Urban

Suburban

Safety Linkage



Speedingrelated Crashes



Improved Safety management



Safer Speeds SAFE SYSTEM



Tier 4

ASE cameras. Source: NCSL

Selected Related Countermeasures



Red-light running cameras



High-visibility signal heads and backplates

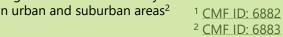


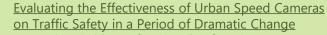
Leading pedestrian intervals

Automated speed cameras reduce all crash types in urban and suburban areas¹



Angle crashes of all severity levels reduced in urban and suburban areas²





Improving Guidance for Speed Safety Camera





afety Benefits