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Speed Safety Camera (SSC) Program Planning and Operations Guide

Federal Highway Administration

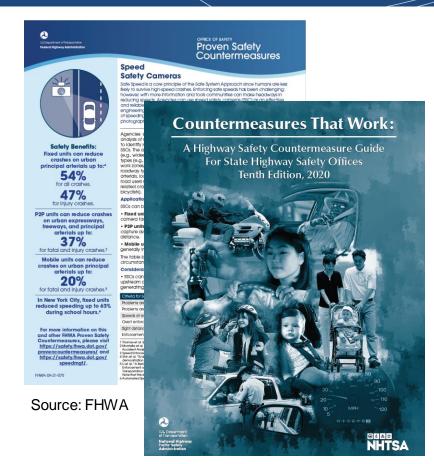
November 15, 2023

Speed Safety Camera Systems

- Consist of technology to remotely:
 - Document evidence of a speeding violation
 - Radar/LIDAR
 - Roadway sensors
 - Capture images/video to identify the violator
 - Owner of the vehicle and/or
 - Driver of the vehicle
 - Remotely transmit the information to be processed for speeding notices,
 tickets or citations to be issued to the responsible party.

Speed Safety Cameras are a Proven Safety Countermeasure

- The 2021 update includes Speed Safety Cameras as a Proven Safety Countermeasure:
 - Fixed units can reduce crashes on urban principal arterials up to 54% for all crashes
 - Mobile units can reduce crashes on urban principal arterials up to 20% for fatal and injury crashes
 - In New York City, fixed units reduced speeding in school zones up to 63% during school hours
- Automated Speed Enforcement is listed as a 5-star countermeasure in NHTSA's 2020 Countermeasures That Work guide.

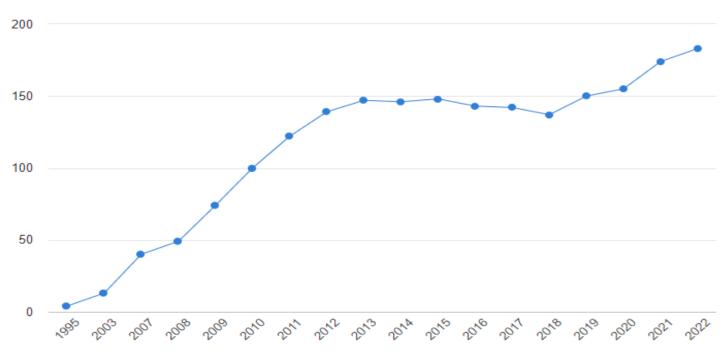


Source: NHTSA

Growing Number of SSC Programs

SSC programs have grown in the United States since the publication of the 2008 Guide.







Data Source: IIHS, 2023

What Changed?

- New title to emphasize safety
- Restructured chapters to emphasize planning, policy, communications, and organizational concerns.
- Expanded information on how program decisions affect transparency, equity, public perception, and "Focus on Safety" – pitfalls to avoid.
- Greater emphasis on SSCs as a component of a comprehensive speed management program.
- Lessons from jurisdictions highlighted throughout the Guide.



What Changed? (continued)

- New technologies and processes, like Point-to-Point (speed over distance) enforcement and automated citation processing.
- Evidence-based guidance; considerations for program decisions when evidence is unclear or legal situation constrains choices.
- New noteworthy practices on how jurisdictions are addressing concerns to implement programs, including equity.
- Expanded range of performance measures.

What does the SSC Guide cover?

- Chapter 1: Introduction.
- Chapter 2: Planning Part 1 Strategic Planning.
- Chapter 3: Planning Part 2 SSC Program Planning.
- Chapter 4: Enforcement Planning and Field Operations.
- Chapter 5: Violation Structure, Processing, Delivery, and Adjudication.
- Chapter 6: Program Startup.
- Chapter 7: Program Evaluation.
- Chapter 8: Case Studies.
- Appendix: Trends, Additional Resources.

Integrating Equity at each stage

- Engage stakeholders throughout the planning, implementation, and evaluation of the SSC program.
- Structure and communicate the purpose of SSCs as speed management tool to reduce traffic fatalities and serious injuries, not used for revenue generation.
- Agencies are encouraged to:
 - Use funds gathered through SSCs for longer-term engineering improvements prioritize investments in underserved communities. Recognize that adding SSCs revenue to a general fund may create unfair incentives and lead to distrust.

Site Locations

- Underserved communities may experience disparities in traffic fatalities and serious injuries.
- Site locations should be based on safety data not citation data.
- It is important to site SSCs in overburdened communities to redress the risk of fatal and serious injury crashes caused by speeding.
- However, it is critical to monitor any disproportionate impacts of SSCs to minimize the burdens of penalties on underserved or overburdened communities.
- Since underserved or overburdened communities may experience a disproportionate impact from SSCs, these communities can be prioritized for longer-term engineering solutions.

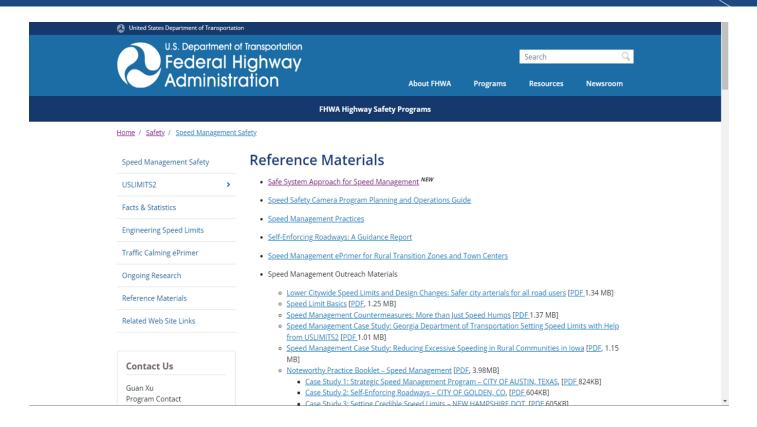
Penalty Structures

- Recognize that underserved communities may be disparately impacted by SSC penalties.
- Encourage innovative penalty structures, including:
 - Low fines
 - Alternative penalties like community service and road safety courses
 - Progressive fines based on income
 - Emphasize consistent and fair penalties as opposed to burdensome penalties

Penalty Structures (continued)

- Discourage punitive measures, including driver license sanctions, that may contribute to the cycle of poverty.
- Encourage further research in the United States on the relative effectiveness of different penalty or reward structures, with a focus on their safety and equity impacts on underserved communities.
- Encourage use of funds gathered through SSCs for longerterm engineering improvements – prioritize these investments in underserved communities.

Where to Find the New SSC Guide:



https://highways.dot.gov/safety/speed-management/reference-materials



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