

Install a Dynamic Speed Feedback Sign

A dynamic message sign that uses radar or laser technology to determine the speed of an approaching vehicle and then displays the speed to the driver. Such signs can be part of a temporary mobile speed trailer or permanently installed below a posted speed limit sign.



Source: VHB

A dynamic feedback sign displays the speed of an approaching vehicle.



Source: Lee Engineering, LLC

This dynamic feedback sign is applied to a school zone.



Source: Lee Engineering, LLC

The Speed Limit sign and dynamic feedback sign assembly can be moved from location to location using a mobile trailer such as this.



Targeted Crash Types

- Right-angle
- Rear-end (major road)
- Rear-end (minor road)
- Pedestrian
- Bicyclist

Problems Addressed

- Speeding

Conditions Addressed

- Citation history or observations of speeding on approach to intersection.
- Change in speed limit or land use (e.g., change from rural to urban).
- Changeable speed limit by time and day of the week (e.g., during school hours).

Considerations

- Check that the radar or laser device has an unobstructed vantage of oncoming traffic.
- May be combined with an Intersection Warning sign.
- Most effective if dynamic feedback sign is installed with a Speed Limit sign.
- Need to determine the operating speed that will activate the sign. May be used with an LED flash that is activated if the motorist is traveling above a threshold speed.
- If solar-powered, the batteries should be checked on regular intervals. Used batteries represent a hazard waste stream for an agency.

Other Resources

[Speed Enforcement Program Guidelines, NHTSA](#)

[Innovative Operational Safety Improvements at Unsignalized Intersections, Florida DOT](#)

[Low-Cost Safety Enhancements for Stop-Controlled and Signalized Intersections, FHWA](#)

[Low Cost Local Road Safety Solutions, ATSSA](#)

[NCHRP 613: Guidelines for Selection of Speed Reduction Treatments at High-Speed Intersections](#)

Industry Standard

[MUTCD](#)

[Section 2B.13: Speed Limit Sign](#)

Select Examples

[Anderson St. & Perkins Rd., Durham, NC](#)

[US 24 & Flush Rd., Manhattan, KS](#)