

Install a Stop Beacon

A flashing beacon that is placed on top of a STOP (R1-1) sign. The Stop Beacon consists of one or more signal sections of a standard traffic signal face with a flashing circular red signal indication.



Source: VHB

This Stop Beacon has two horizontally-aligned signal indications.



Source: VHB

This Stop Beacon comprises a single signal indication above the STOP sign.



Source: VHB

This Stop Beacon has two vertically-aligned signal indications.



Targeted Crash Types

- Right-angle
- Rear-end (minor road)

Problems Addressed

- Non-compliance with intersection traffic control devices
- Inadequate visibility of intersection or intersection traffic control devices

Conditions Addressed

- Crash history or observed vehicle conflicts caused by non-compliance with intersection traffic control or lack of awareness of intersection traffic control.
- Existing STOP sign is not conspicuous in surroundings.
- Recent change in traffic control or traffic regulation at the intersection.
- Poor visibility of the intersection from stop-controlled approach(es).

Considerations

- One or two red beacons may be installed—see MUTCD Section 4L.05 for additional guidance.
- A power source (typically solar or electric) will be required.
- The beacon may be actuated to flash red when approaching vehicles are detected through loop detectors.
- This strategy can be used in conjunction with other strategies to increase sign conspicuity.

Industry Standard

MUTCD

[Section 2A.15: Enhanced Conspicuity for Standard Signs](#)

[Section 4L.05: Stop Beacon](#)

Other Resources

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

[Safety Evaluation of Flashing Beacons at STOP-Controlled Intersections, FHWA](#)

Select Examples

[Ridge Rd. & E. Four Mile Rd., Cheyenne, WY](#)

[Hoover Hill Rd. & Kennedy Rd., Trinity, NC](#)