Install a Rectangular Rapid-Flashing Beacon (RRFB)

Traffic control device that combines a pedestrian warning sign with user-activated light-emitting diodes (LEDs). The device flashes amber when activated through a pedestrian push button or by pedestrian detection and then remains dark when not in use.

Targeted Crash Types
- Pedestrian
- Bicyclist

Conditions Addressed
- Crash history or observed conflicts between vehicles and non-motorists crossing at the intersection.
- High volume of crossing pedestrians or bicyclists at intersection.
- Vehicles observed not yielding to pedestrians in crosswalk.
- High pedestrian delay due to few available gaps in traffic.

Problems Addressed
- Vehicle conflicts with non-motorists

Considerations
- Use in combination with a crosswalk, wheelchair ramps, advance warning signs or pavement markings, and overhead lighting.
- Not to be used on intersection approaches controlled by STOP (R1-1) or YIELD (R1-2) signs or traffic signals.
- Power source is typically hard-wired but may also be solar powered.
- Public involvement meetings and outreach may be needed to educate the public on RRFB operations.
- There is no MUTCD warrant for the RRFB, but approval is needed from FHWA if not already granted to the home agency or state.
- May not be as effective on wider multiline streets or higher speed streets.

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Industry Standard
- MUTCD
- Interim Approval for Optional Use of Rectangular Rapid Flashing Beacon (IA-11)

Other Resources
- Rectangular Rapid Flashing Beacon (RRFB), FHWA
- Rectangular Rapid Flash Beacon (RRFB), PEDSAFE

Select Examples
- Broadway Ave. & E. 55th St., Elmwood Park, NJ
- Ann St. & S. 3rd St., Wilmington, NC