



RRFB — RECTANGULAR RAPID FLASHING BEACONS

ENHANCE PEDESTRIAN SAFETY. INCREASE YIELDING. IMPROVE AWARENESS.

A Rectangular Rapid Flashing Beacon (RRFB) system is a high-visibility pedestrian crossing enhancement that alerts drivers to pedestrians using a marked crosswalk. RRFBs use bright, rapidly flashing LED light arrays that activate when a pedestrian pushes a button or is detected passively, making pedestrian crossings significantly more conspicuous and increasing driver yielding behavior compared to standard crosswalk markings alone. RRFBs are recognized by the Federal Highway Administration as a proven safety countermeasure when installed with proper signage and in appropriate locations.

HOW RRFBs WORK



- **Pedestrian-Activated Alert:** Push button or passive detection triggers rapid LED flash pattern.
- **High-Visibility LEDs:** Alternating flashing beacons command driver attention day or night.
- **MUTCD-Compliant:** Designed for use with pedestrian warning signage per federal standards.
- **Flexible Power:**

Solar or hardwired AC power options support a range of installation environments.

PERFORMANCE & BENEFITS

- **Improve Yield Rates:** Studies show driver yielding rates at RRFB crosswalks can exceed 90–98% when installed with active beacons and signage.*
- **Reduce Pedestrian Crashes:** RRFB installations have been linked to significant reductions in pedestrian-vehicle conflicts and crashes.*
- **Effective in Mid-Block & School Zones:** Particularly effective in uncontrolled crosswalks, multilane streets, and areas with high foot traffic.*
- **Attention-Grabbing Flash Pattern:** Alternating rapid flash design increases conspicuity beyond standard static or round beacons.

*Source: Federal Highway Administration

APPLICATIONS

RRFB SYSTEMS ARE IDEAL FOR:

- **Mid-Block Crosswalks:**
Increase visibility where signals aren't present.
- **School and Campus Zones:**
Help protect students and families.
- **Trail & Park Crossings:**
Alert drivers in recreational areas.
- **Downtown & Main Street Areas:**
Support safe pedestrian movement and walkable communities.

RRFB FEATURES

- **Bright Rapid-Flash LED Beacons:**
Maximize driver noticeability.
- **Push-Button or Passive Activation:**
Options for ADA compliance and convenience.
- **Solar or Wired Power:**
Install where power infrastructure varies.
- **Single or Dual-Side Configurations:**
Customize to crossing width and sightlines.
- **Durable Construction:**
Built for outdoor exposure and long service life.

WHY CHOOSE A&A SAFETY?



- **COMPREHENSIVE RRFB SOLUTIONS:**
We source RRFB systems that meet MUTCD installation requirements and can tailor configurations to site needs.
- **TURNKEY SERVICE:** From product selection and installation to activation setup and power solutions, A&A Safety provides complete service.
- **TRUSTED TRAFFIC SAFETY PARTNER:**
Decades of experience supplying and installing traffic safety devices for municipalities, counties, and public agencies.
- **REGIONAL SUPPORT:** Offices serving Cincinnati, Dayton, Cleveland, Kentucky, Indiana, West Virginia, and beyond.



MAKE CROSSWALKS SAFER TODAY

ADD AN RRFB SYSTEM TO YOUR STREET AND REDUCE RISK FOR PEDESTRIANS AND MOTORISTS ALIKE.