



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.