I-44 / Route 68/8 Interchange, Phelps County



Tim Bradley Way at Route 66 in Rolla (source: Google)

An RRFB (Rectangular Rapid Flashing Beacon) system is a pedestrian-activated warning light device mounted on crosswalk signs to alert oncoming drivers and improve yield rates at mid-block, multi-lane, or school zone crossings.

Key Features & How It Works

- Activation: Pedestrians press an ADA-compliant push button or trigger passive sensors (video, infrared, or radar) to start the lights.
- Flashing Pattern: Emits a high-intensity, irregular "wig-wag" or strobe-like flash pattern modeled after emergency vehicle lights.
- Communication: Wireless radio-frequency signals link opposing beacons on multi-lane roads so both sides flash in sync.
- Effectiveness: Proven to increase driver yield rates up to 96%–98% and reduce pedestrian-vehicle crashes by up to 47%.



Safety Benefits:

RRFBs can reduce pedestrian-vehicle crashes up to:

47%

RRFBs can increase motorist yielding rates up to:

98%

(varies by speed limit, number of lanes, crossing distance, and time of day).