



INNOVATIVE IDEAS
EXCEPTIONAL DESIGN
UNMATCHED CLIENT SERVICE

Croft Road Corridor Study
Analysis & Recommendations Report

Appendix 8: Rectangular Rapid Flashing Beacon (RRFB) & Cross Alert System Details

Cross Alert System Pedestrian/Bicyclist Activated Yellow Warning Beacon/Flasher

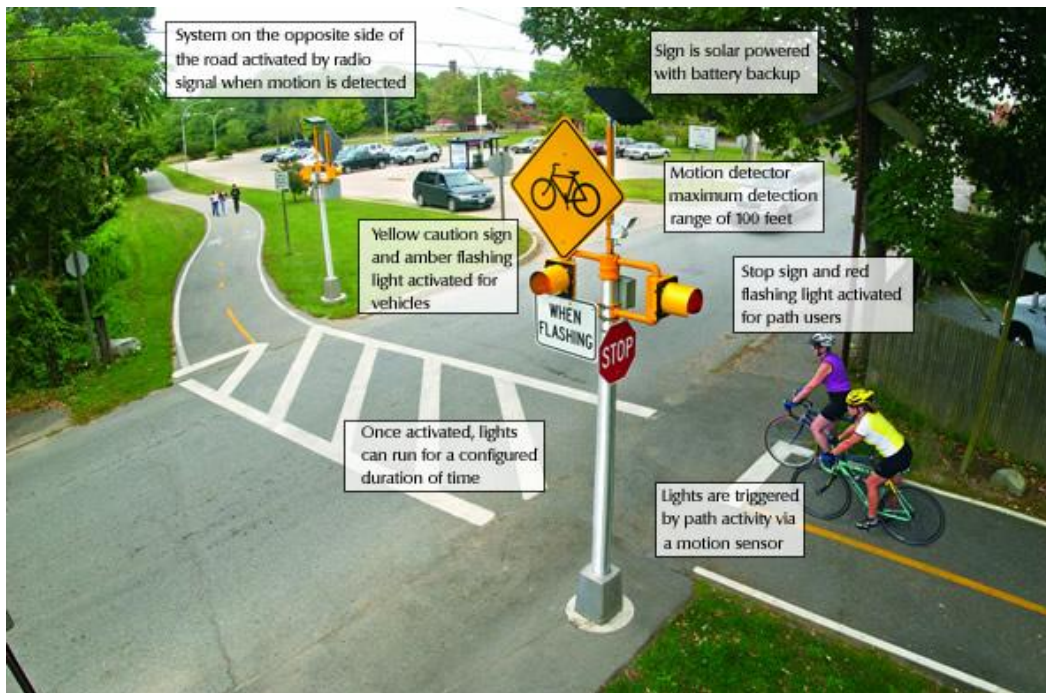
The Cross Alert System is another type of activated yellow warning flasher. When motion is detected on the walk/bikeway, a yellow flasher is activated for the motorists, and a red flasher is activated for the pedestrian and/or bicyclists. The active warning can be actuated either via motion detection (microwave detection) or push button. The system can be solar powered or A/C powered. Also, two yellow flashers could be used on each pole (one above the warning sign and one below the warning sign).

ADVANTAGES:

- ❖ Reduces vehicle speeds and improves safety
- ❖ Can get a solar powered option and wireless technology
- ❖ Activated/on-demand flasher increases driver respect for device
- ❖ Driver compliance rates over 70%

DISADVANTAGES:

- ❖ Post-mount flashers cost from \$18,000 to \$35,000 to install plus operation and maintenance costs
- ❖ Types of traffic improvements to be considered along with the flashers include advance warning signs or pavement markings, and parking removal on street



Rectangular Rapid Flashing Beacon (RRFB)

The Rectangular Rapid Flashing Beacon (RRFB) is a special LED flashing device used in conjunction with a pedestrian or bike crossing sign placed at a marked, unsignalized crosswalk.

ADVANTAGES:

- ❖ Improves crossing visibility and safety
- ❖ Can get a solar powered option and wireless technology or a hard-wired system
- ❖ Activated/on-demand flasher increases driver respect for device
- ❖ Driver compliance rates greater than 80%
- ❖ Lower installation costs than traffic signal pole type flashers- \$16,000 to \$25,000 to install plus operation and maintenance costs

DISADVANTAGES:

- ❖ Device is under FHWA Interim Approval
- ❖ Does not provide a “red/stop” condition for drivers
- ❖ Wide roadways can make curb/side of road signing more difficult for drivers to see

