

Pedestrian Hybrid Beacon



DESCRIPTION

- PHBs warn and control traffic at unsignalized locations and assist pedestrians in crossing the street at a marked crosswalk.
- The PHB rests in the dark until a pedestrian activates it then a sequence of flashing and solid lights indicate the pedestrian walk interval and when drivers can proceed.

CONTEXT

- PHBs are typically installed at school crossings, parks, senior centers, and other pedestrian crossings on multilane streets.
- PHBs are installed at the side of the road or on mast arms over midblock pedestrian crossings.

BENEFITS

- ✓ **Improved safety**
- ✓ **Traffic compliance**
- ✓ **Cost effective**



Alexandria, VA

POLICY AND DESIGN GUIDANCE

- A PHB head is two red lenses above a single yellow lens.
- PHBs are installed on roads with three or more lanes with an annual average daily traffic (AADT) above 9,000.
- PHBs are considered for all midblock and intersection crossings where the roadway speed limits are equal to 40 miles per hour or greater.
- PHBs should only be installed with marked crosswalks and pedestrian countdown signals.
- PHBs, on average, cost \$230,000 to \$265,000.

RESOURCES

Design guidance for Virginia:

[MUTCD](#)

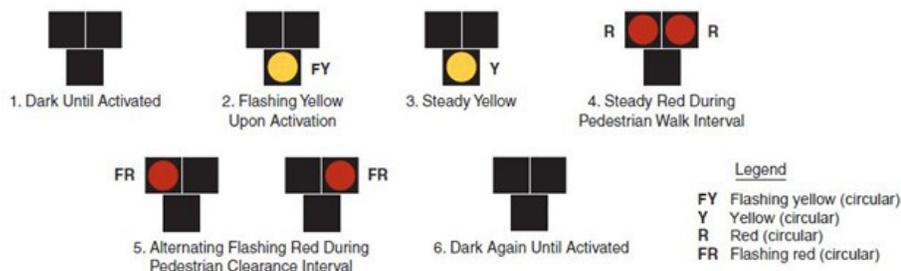
[VDOT](#)

[Virginia State Preferred CMF List](#)

Treatment applications and general design guidance:

[FHWA](#)

[NCHRP](#)



For more information on **PHBs** and other bicycle and pedestrian treatments, visit virginiadot.org/programs/bikeped/bicycle_and_pedestrian_treatments.asp

