Draft Henrico County Crosswalk Policy

1. **Criteria for Crosswalk Installation**
2. No crosswalk will be installed in a residential neighborhood unless on a school route.
3. Speed Limit
4. Crosswalks may be considered on roads with posted speed limits of 35 MPH.
5. Engineering judgement may be used for consideration of crosswalks on roads with posted speed limits of 25 MPH on a case-by-case basis.
6. Pedestrian Volume
7. A minimum of 10 pedestrians/hour in the peak hours.
8. Vehicular (Traffic) Volume
9. A minimum 1500 vehicles per day (VPH) or 100 VPH during the peak hour.
10. Road Width
11. A minimum road width of 24' is required to be considered for crosswalk placement.
12. Origin and Destination
13. The establishment of crosswalks may be assessed based on their proximity to significant traffic origins and destinations. Examples may encompass, but are not confined to: schools, libraries, parks, recreational areas, shopping complexes, multi-family dwellings and restaurants.
14. Spacing between Crosswalks
15. Ideal spacing between crosswalks is 750', however, at locations with high vehicular volumes, crosswalks will be considered at a minimum spacing of 300' between locations.
16. **Types of Crosswalk**
17. All crosswalks shall be high-visibility bar pair. Existing crosswalks that are not high-visibility will be upgraded during maintenance.
18. **Sign Enhancement Criteria for Crosswalk**
    1. Static (Non-Flashing) Signs

Criteria for considering Static Signs at an uncontrolled location shall be:

1. Posted speed limit of 25 MPH.
2. Pedestrian volumes = 10 per hour in the peak hours, minimum.
3. Vehicular volume = Minimum 3000 VPD or 225 VPH during the peak hour.
   1. Rectangular Rapid Flashing Beacon (RRFB)

Criteria for considering RRFBs at an uncontrolled location shall be:

1. Posted speed limit = 35 MPH, minimum.
2. Pedestrian volumes = 10 per hour, minimum.
3. Vehicular volume = 4500 VPD or 338 VPH, minimum.
4. Road Width: Roads with 4 or more of motorized travel lanes will require a refuge island.
5. Origin and Destination: Existing sidewalk or bike facility on either side of road.
6. Spacing between Crosswalks: Distance to nearest protected crosswalk location = 300', minimum.
7. Pedestrian Hybrid Beacon (PHB)

* Criteria for considering PHBs at an uncontrolled location shall be:

1. Posted speed limit = 45 MPH, minimum.
2. Pedestrian volumes = 10 per hour, minimum.
3. Vehicular volume = 4500 VPD or 338 VPH, minimum.
4. Road Width: Number of travel lanes to be crossed = 4 travel lanes minimum.
5. Origin and Destination: Existing sidewalk or bike facility on either side of the road.
6. Note: PHB shall not be installed at intersections. PHB shall only be considered for installation at mid-block locations.

* Engineering judgement may be exercised for specific locations not meeting the above requirements.
* Crosswalks must conform to the FHWA Manual of Uniform Control Devices latest edition found at: [Manual on Uniform Traffic Control Devices (MUTCD) - FHWA (dot.gov)](https://mutcd.fhwa.dot.gov/index.htm)
* Additional information and guidance shall be obtained from Virginia Department of Transportation Instructional and Information Memorandum IIM 384.1: [Virginia Department of Transportation - Traffic Engineering Division - Instructional & Informational Memorandum (virginiadot.org)](https://www.virginiadot.org/business/resources/IIM/TE-384.1_Pedestrian_Crossing_Accommodations_at_Unsignalized_Approaches_acc081622.pdf)