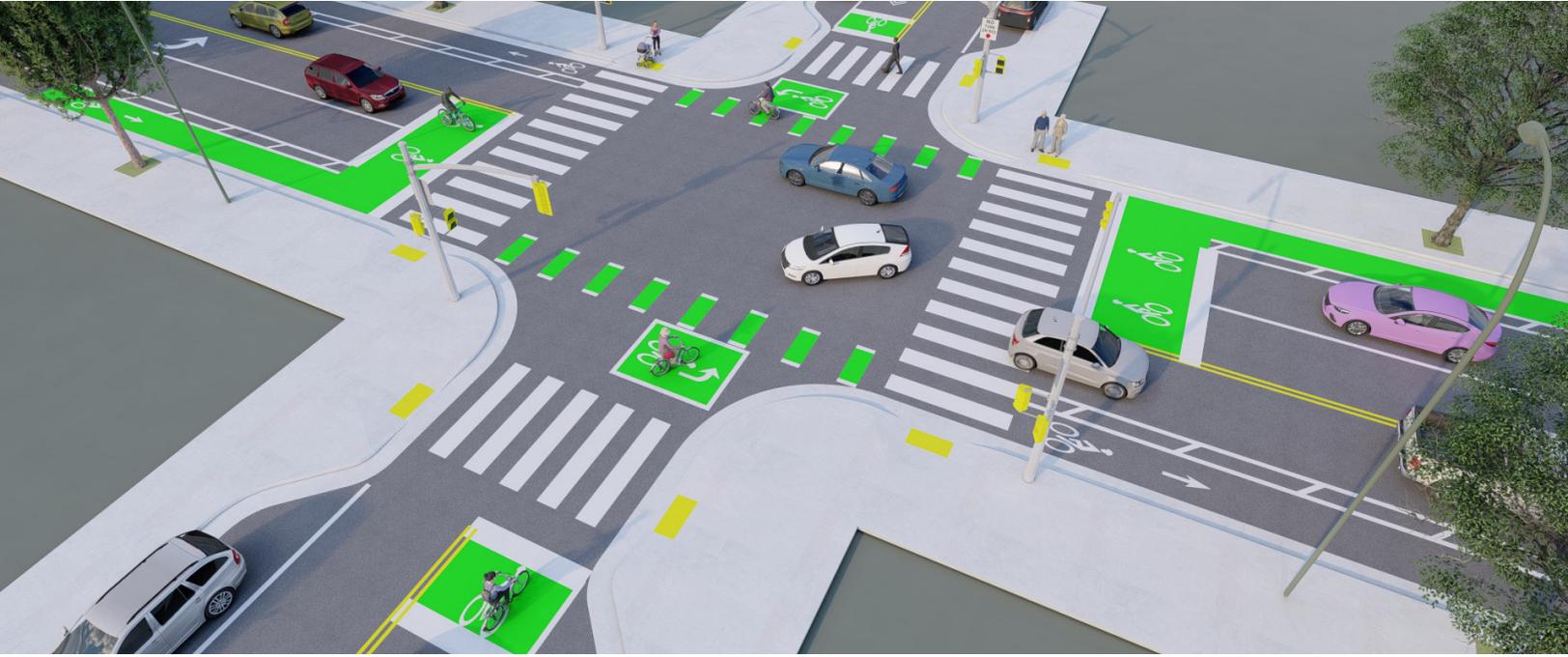


Green Pavement Markings



DESCRIPTION

- The use of green colored pavement markings within bicycle lanes and bicycle queuing areas can help increase the visibility of bike facilities and remind motorists to watch for bicyclists.
- Green pavement markings increase comfort levels for bicyclists and can be used in conjunction with any type of bicycle lane (traditional, buffered, separated, or contraflow).
- Green pavement markings are provided chiefly to increase the visibility of bicycle facilities. They do not change the operations or restrictions of bicycle lanes.

CONTEXT

- Green pavement markings can be applied along the entirety of a bicycle facility or used as a spot treatment.
- Typically, green pavement markings are used to highlight bicycle lanes as they traverse intersections or driveways, in bike boxes and two-stage left turning boxes, or in other conflict areas.

BENEFITS

- ✓ **Improved safety**
- ✓ **Improved comfort**
- ✓ **Traffic compliance**



POLICY AND DESIGN GUIDANCE

- Green pavement markings should be installed in a consistent manner along a corridor to provide clear guidance for all roadway users.
- Green pavement markings supplement, but do not replace the white pavement markings that legally establish the bicycle facility.
- Green pavement markings may be installed as an overlay or they may be embedded as colored asphalt. Overlay materials are recommended for pilot installations or spot treatments, while embedded treatments are better for corridor treatments.
- The maintenance of green pavement markings is important to ensure the effectiveness of the application.
- Pavement marking materials range from \$2 - \$20 per square foot, depending on material and expected performance. Bicycle lanes may range from \$85,000 - \$320,000 per mile (high end assumes continuous application of green pavement markings in conflict areas.)
 - Periodic maintenance of pavement markings will require an additional cost.

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

RESOURCES

Treatment applications and general design guidance:

[NACTO](#)

[AASHTO](#)

[FHWA](#)

Material Guidance

[Oklahoma DOT](#)

Geometric design guidance for Virginia:

[VDOT Road Design Manual](#)

Pavement markings, placement, and spacing:

[MUTCD](#)

[VDOT 2016 Road and Bridge Standards](#)

[Virginia Supplement to the MUTCD](#)

Guidelines are provided for informational purposes only. For detailed design guidance, please refer directly to design manuals and standards.

