



ENGINEERING & OPERATIONS DEPARTMENT

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TRANSPORTATION DESIGN BULLETIN 21-04

DATE: January 11, 2021

TO: County Director of Capital Programs Department,
County Manager of Construction Services,
Division Director of Transportation Maintenance,
County Project Managers and Project Engineers of Record

FROM: County Engineer,
County Director of Engineering & Operations Department,
County Director of Technical Services Division,
County Manager of Transportation Services Section

COPIES: County Director of Geospatial & Land Acquisition Services Department

SUBJECT: GREEN COLORED CONTRAST BLOCK FOR BICYCLIST SYMBOL AND BIKE LANE ARROW

This bulletin announces the requirement of providing Green Colored Contrast Block for Bicyclist Symbol and Bike Lane Arrow on marked bicycle lanes for all Hillsborough County projects.

REQUIREMENTS

Green Colored pavement markings enhance the visibility of bicycle lanes. The County received Federal Highway Administration (FHWA) Interim Approval permission through the [IA.14](#) approval letter, for the use of green-colored pavement in marked bicycle lanes, extensions of bicycle lanes through intersections, and other bicycle-vehicular conflict areas.

Green Colored Contrast Block for Bicyclist Symbol and Bike Lane Arrow must be provided for all marked bicycle lanes on County roads. The green colored bicycle lane pavement marking is illustrated in the Florida Design Manual (FDM), Chapter 223 Bicycle Facilities. In addition to the FDM guidance for the appropriate assignment of bicycle lane marking, use the following direction in the placement of the green contrast block:

- 1) Place a Green Colored Contrast Block for the Bicyclist Symbol and Bike Lane Arrow as shown in Index GCB-001, attached as Page 3.
- 2) The maximum Target Spacing of the Bicyclist Symbol and Bicycle Lane Arrow is 660 feet for design speeds of 45 miles per hour (mph) and less, and 1,320 feet for design speed greater than 45 mph.

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BACKGROUND

It is the County’s goal to reduce fatalities and injuries for all roadway users, including cyclist. The Green Colored Contrast Block for Bicyclist Symbol and Bike Lane Arrow not only boosts the visibility of a vehicle conflict area, but also increases driver awareness of bicyclists. The conflicts between motor vehicle and bicyclists can be reduced and bicyclist’s safety can be increased by providing this improvement.

IMPLEMENTATION

Effective Immediately.

CONTACT

Please use the email link below to address any questions or comments in reference to this Design Bulletin:

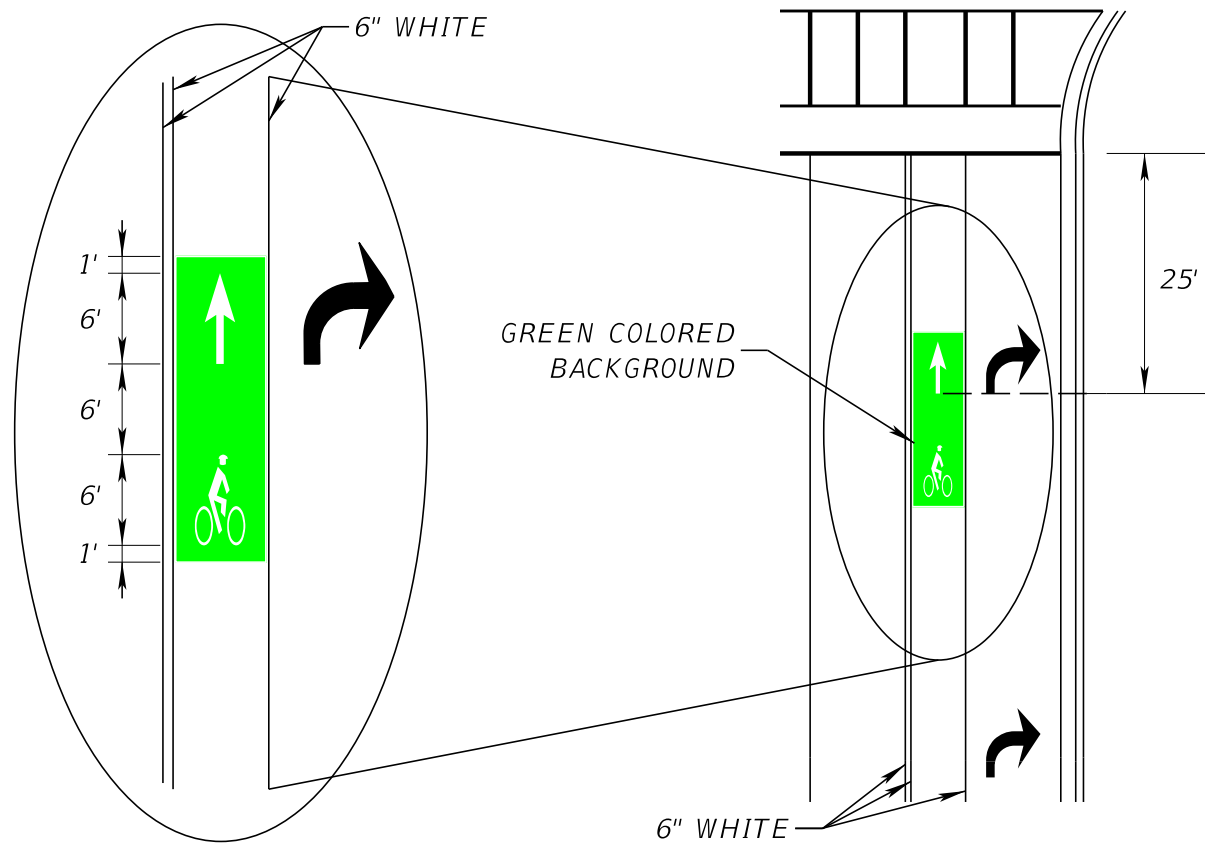
[PW-Standards Inquiry](#)

Recommended / Date:

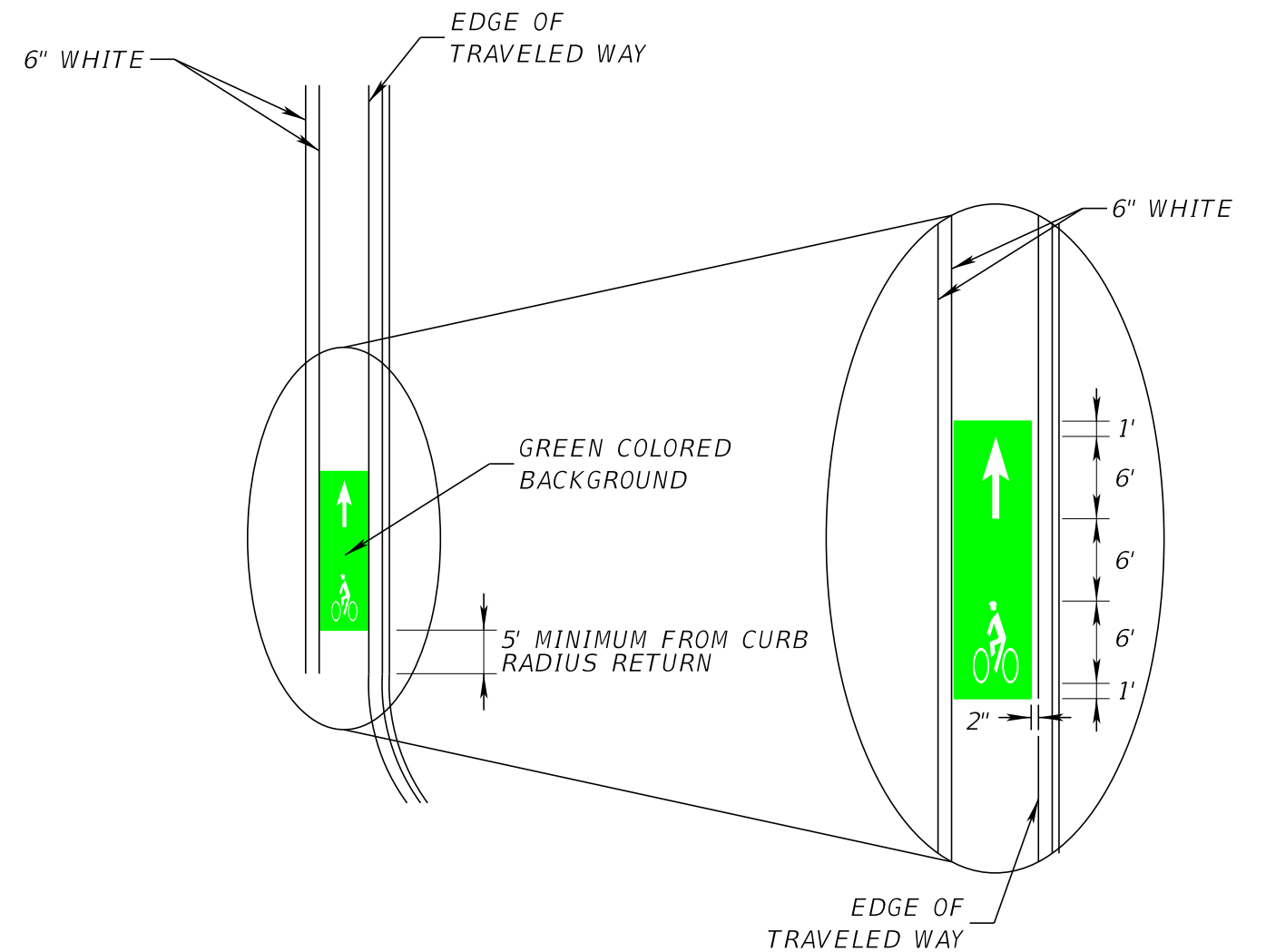
Approved / Effective Date:

Leland Dicus, Professional Engineer
Technical Services Division Director

Michael J. Williams, Professional Engineer
County Engineer



PLACEMENT ADJACENT TO RIGHT TURN LANE
BETWEEN 6" WHITE STRIPING



PLACEMENT ADJACENT TO EDGE OF TRAVELED WAY
WITH CURB AND GUTTER

NOTES:

1. BICYCLE SYMBOLS AND ARROWS MUST BE WHITE ON GREEN BACKGROUND.
2. MAXIMUM WIDTH GREEN BLOCK IS 5 FEET ON SHOULDER CONDITION.
3. THE GREEN COLORED CONTRAST BLOCK FOR BICYCLIST AND ARROW SYMBOLS MUST NOT BE PLACED ADJACENT TO A TRAFFIC SEPARATOR, WHERE TRAFFIC SEPARATORS ARE LOCATED BETWEEN THE BIKE LANE AND TRAVEL LANE.