

South Carolina Department of Transportation

Engineering Directive

Directive Number: ED-22 **Effective:** February 12, 2021

Subject: **Bicycling Accommodations on Resurfacing Projects**

References: **Engineering Directive 53 – Installation of Rumble Strips**
Manual on Uniform Traffic Control Devices (MUTCD)
AASHTO Guide for the Development of Bicycle Facilities
SCDOT Roadway Design Manual

Primary Department: **Maintenance**

This engineering directive addresses bicycling accommodations that will be considered as part of the South Carolina Department of Transportation's (SCDOT) annual pavement improvement program.

1.0 Planning

SCDOT recognizes that strategic planning for bicycling accommodations serves a critical role with ensuring a fiscally responsible approach for allocation of funds. SCDOT's Office of Planning will coordinate with Metropolitan Planning Organizations (MPOs) and Councils of Government (COGs) to ensure they create bicycling accommodation plans that will serve as the basis for integrating bicycling onto the state system of roadways. The Director of Maintenance Office will review the approved MPO and COG bicycling accommodation plans and cross-reference with SCDOT's pavement improvement program to identify candidate projects for the inclusion of bicycling accommodations.

2.0 Eligibility

Candidate pavement improvement projects must be on the East Coast Greenway, the South Carolina Bicycling Touring Routes, or part of a MPO and/or COG approved bicycling plan for eligibility. In addition, the bicycling accommodation must be achieved within the scope of the pavement improvement project without requiring additional right-of-way, utility relocations, environmental permitting, and/or grading beyond the existing shoulder.

SCDOT will include eligible bicycling accommodations based upon sections 2.0 and 3.0 of this engineering directive as part of the Department's pavement improvement program. SCDOT reserves the right to eliminate bicycling accommodations from individual projects if the Department determines implementation to be infeasible based upon engineering analysis and/or scheduling demands.

3.0 Bicycling Accommodations Approved for Consideration in SCDOT Resurfacing Projects

The following bicycling accommodations are eligible as part of SCDOT's annual pavement improvement program:

Shoulder Sections

- Construction of a minimum 4-foot paved shoulder beyond the rumble strips/stripes.

Curb and Gutter Sections

- SCDOT will evaluate restriping the existing footprint based upon guidance found in the SCDOT Roadway Design Manual. This option does not alter the number of lanes currently in-place. Early planning is essential to ensure this is a valid option in coordination with the District Traffic Engineer.

All Sections

- SCDOT approved pavement markings and/or signage will be included to support the aforementioned bicycling accommodations, as determined appropriate by the District Traffic Engineer.

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