



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

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GOVERNOR

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SECRETARY

DATE: December 16, 2025

MEMO TO: Roadway Design Unit  
Hydraulics Unit  
Project Management Unit  
Alternate Delivery Unit  
Construction Unit  
Rail Division Engineers  
Statewide Project Managers

Division Project Delivery Engineers  
Contract Standards and Development Unit  
Traffic Management Unit  
Division Construction Engineers  
Structures Management Unit  
CADD Integration Team  
Division Design Construction Engineers

FROM: Steve Smallwood, PE  
State Roadway Design Engineer    
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SUBJECT: Guide for Paving Shoulders Under Bridges

Recently, revisions were made to Roadway Standard Drawings 610.01 through 610.04 “Guide for Paving Shoulders Under Bridges” Methods I through IV. The revisions involve updates to terminology and changes to offsets to align with the Roadway Design Manual (RDM). Details to be used in lieu of the Standards have been developed and are numbered 610D0101, 610D0201, 610D0301, and 610D0401. Specific changes affecting designs include the following: For 610D0201, the distance from the face of the guardrail to the slope break point has been adjusted to 3 feet. In 610D0301, the Horizontal Clearance now terminates at the point of curvature for the slope protection vertical curve.

These changes will affect the bridge length by 1.5' at each applicable side if using 610D0201 or 610D0301.

All projects that have not been submitted for DRPS should be updated accordingly. Coordination should be completed with Project Managers and Divisions to evaluate whether there is value in updating plans that have approved DRPS.

This information is included in the November 2025 Roadway Design Manual update and can be found at the following location:

<https://connect.ncdot.gov/projects/Roadway/pages/RDM.aspx>

The update details to be used in lieu of standards can be found at the following location:

<https://connect.ncdot.gov/resources/Specifications/Pages/2024-Roadway-Standard-Drawings.aspx>

If you have any questions related to this update in guidance, please contact Mike Lindgren, PE at (919) 707-6207.

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Guide for Paving Shoulders Under Bridges

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SS/ML

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