



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

JAMES H. TROGDON, III  
SECRETARY

MEMORANDUM TO: Project Engineers  
Project Design Engineers

FROM: B. C. Hanks, P.E.  
State Structures Engineer

DATE: December 1, 2017

SUBJECT: BRIDGE APPROACH FILLS

At the request of the Geotechnical Engineering Unit, details for bridge approach fills have been revised.

For bridges with 25'-0" approach slabs, detail the Type I – Standard Bridge Approach Fills [2018 Roadway Standard Drawing 422.01] under the approach slabs, unless directed otherwise by the Foundation Recommendations or Division personnel.

For bridges with integral end bents, detail the Type I – Standard Bridge Approach Fills and the Type A – Alternate Bridge Approach Fills [2018 Roadway Standard Drawing 422.03] under approach slabs and place the following note on the plans:

*At the Contractor's option, "Type A – Alternate Approach Fill" in lieu of the "Type I – Standard Approach Fill" may be constructed at no additional cost to the Department.*

For bridges with 12'-0" and 15'-0" approach slabs, detail the Type II – Modified Bridge Approach Fills [2018 Roadway Standard Drawing 422.02] under the approach slabs unless directed otherwise by the Foundation Recommendations or Division personnel.

For bridges with MSE walls in front of the end bents, detail the Type III – Reinforced Bridge Approach Fills [2018 Roadway **Detail Drawing** 422D10] under the approach slabs.

Roadway Detail Drawing 422D10 is available on the Specifications website at the following link:

<https://connect.ncdot.gov/resources/Specifications/Pages/2018-Roadway-Standard-Drawings.aspx>

The Type I, II, and III approach fills are Roadway pay items.

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This policy is effective with the January 2018 letting. The Design Manual and Design Manual Figures will be revised at a later date.

BCH/DCM/THC

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