



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

MEMORANDUM TO: Division Bridge Maintenance Engineers

FROM: T. K. Koch, P. E.
State Structures Engineer

DATE: June 8, 2015

SUBJECT: STANDARD BRIDGE REPAIRS

FHWA guidelines require an appropriate level of documentation for all repair work or other construction activities performed by State and contract forces (see "Priority Maintenance & 501/502 Documentation" policy memo dated December 11, 2012). To assist in performing and documenting the repair work, the Structures Management Unit (SMU) has developed *Standard Bridge Repair* details for some of the common defects found in the deck, superstructure, and substructure. Following these *Standard Bridge Repairs* and documenting them properly is essential to classifying these repairs as permanent, engineered repairs.

When submitting Priority Maintenance or 501/502 documentation to SMU, reference the repair used (e.g. SPC01 – Prestressed Girder Repair) and include pictures and comments. If modified, submit a copy of the revised repair detail noting any variations used. For welded repairs, an M&T inspector must review and sign off on the repair as indicated on the detail. If a recommended repair does not meet a specific *Standard Bridge Repair*, consult with the SMU Preservation and Repair Team Leader for that region.

The *Standard Bridge Repairs* are located on the Structures Management web page at the following link:

https://connect.ncdot.gov/resources/Structures/Documents/Standard_Bridge_Repairs.pdf

New repair details will be added as they are developed by SMU and upon request by Division Bridge Maintenance personnel. Please send requests to David Snoke at dsnoke@ncdot.gov.

TKK/DNS/kaw

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
STRUCTURES MANAGEMENT UNIT
1581 MAIL SERVICE CENTER
RALEIGH NC 27699-1581

TELEPHONE: 919-707-6400
FAX: 919-250-4082
WEBSITE: WWW.NCDOT.ORG

LOCATION:
CENTURY CENTER COMPLEX
BUILDING A
1000 BIRCH RIDGE DRIVE
RALEIGH NC 27610

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Cc: Division Engineers
Division Bridge Program Managers
B. C. Hanks, P. E.
E. B. Nelson, P. E.
G. Muchane, P. E.
C. A. Peoples, P. E.
R. A. Hancock, P. E.; Attn.: K. G. Bowen, P. E.
G. R. Perfetti, P. E.
E. E. Dubin, P. E., FHWA