

March 2, 2016

MEMORANDUM TO: Rekha Patel, P.E.
Roadway Project Engineer

FROM: Paul Atkinson, P.E.
Hydraulics Project Engineer

John L. Pilipchuk, P.E., L.G.
State Geotechnical Engineer

STATE PROJECT: 40108.1.1 (B-4950)
FEDERAL PROJECT: BRZ-1851 (3)
COUNTY: Cumberland

DESCRIPTION: Bridge Nos. 171 and 172 on SR 1851 (Faircloth Bridge Rd.)
over South River

SUBJECT: Preliminary Geotechnical Recommendations for Right of Way
and Hydraulics Design

The Geotechnical Engineering Unit has reviewed the roadway plans and provides the following recommendations.

Slopes

We recommend that all embankment slopes be constructed at a ratio of 3:1 (H:V) or flatter.

Special Ditches

No special ditches will be required.

Please feel free to call Thein Zan or Jaime Love Pedro at 919-662-3576 if there are any questions.



DocuSigned by:
Thein Tun Zan
Thein T. Zan, PE
Geotechnical Design Engineer



DocuSigned by:
Jaime Love Pedro
Jaime Love Pedro, LG
Project Geological Engineer

