



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

May 24, 2017

MEMORANDUM TO: Glenn W. Mumford, P.E.
State Roadway Design Engineer

ATTENTION: Kevin Moore, P.E.
Project Engineer

FROM: John L. Pilipchuk, L.G., P.E. *John L. Pilipchuk*
State Geotechnical Engineer

DocuSigned by:

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5/25/2017

STATE PROJECT: 35993.1.7 (U-4700A)
COUNTY: CALDWELL

DESCRIPTION: US 321 FROM US 70 IN HICKORY TO US 321A (COMBINED
WITH B-4450: TO REPLACE BRIDGE 367 OVER CATAWBA
RIVER ON US 321)

SUBJECT: Geotechnical Recommendations

The Geotechnical Engineering Unit has reviewed and presents the subsurface investigation and foundation recommendations prepared by ECS Southeast, LLP for the above referenced project.

- Roadway Subsurface Investigation (28 Pages)
- Hearing Map with boring locations (1 Sheet)

Please call Jody Kuhne, ^{PE} PE at (828) 298-3874 or if there are any questions concerning this memorandum. *Jk*