



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

Michael F. Easley
GOVERNOR

P.O. BOX 25201, RALEIGH, N.C. 27611-5201

Lyndo Tippet
SECRETARY

March 28, 2003

STATE PROJECT: 6.529005T (R-2610A)
FEDERAL PROJECT: N/A
COUNTY: Chatham

DESCRIPTION: US 421 from approximately 200m south of SR 1007 at Gulf to approximately 930m north of SR 1010

SUBJECT: Geotechnical Report - Addendum to Inventory

During investigation of the proposed bridge on the widened southbound lane of US 421 where it crosses the Aberdeen Carolina and Western Railway (AC & WR), an abandoned mine shaft was detected and additional borings were performed to delineate the mine shaft and associated materials. Five of the SPT borings performed fell outside the scope of the bridge investigation report submitted by GeoScience Group dated November 18, 2002 and revised February 5, 2003. These five borings are added here to the Geotechnical Unit's Roadway Inventory Report dated April, 2001. The borings added are as follows.

<u>Boring</u>	<u>-L- Station</u>	<u>Offset</u>
R-1	17+00	15m LT
R-2	17+40	15m LT
R-4	18+40	12m LT
R-5	18+80	14m LT
R-6	19+20	12m LT

Soil samples from each of the borings were received by the Geotechnical Unit along with the original field logs recorded by GeoScience Group. Soil classifications were determined by visual inspection and samples were referenced whenever possible to those taken during the Geotechnical Unit's Roadway Investigation. The borings are shown in the attached plan and profile views.

Respectfully Submitted

Neil T. Roberson
Project Geologist