



TAR HEEL PIERING SYSTEMS, LLC

www.tarheelpiering.com

803-246-5480

nextel: 150*63991*1

General Contractor: Eastern Bridge Company,
Blacksburg, SC
Project: Temporary Shoring on road widening project for
NCDOT
Contractor: Tar Heel Piering System
Classification: Tie Back Anchors for Road work
Project Date: August 20th, 2008
Anchors Used: (4) 10-12-14 Starters installed to an
average depth of 17'
Total Installation time: 4 Hours

This NCDOT project is located just south of Charlotte on Providence Rd in the Weddington area. With all of the growth, the 2 lane road is not nearly large enough to handle all of the traffic. NCDOT decided to widen the road and Eastern Bridge, a division of Sloan Bridge Company, was awarded the contract. The project called for temporary support for driven sheet piles and helical anchors were specified as the means for tie back support.

Helical piers have many uses as opposed to the perception that they are just used as foundation support. The structural engineer had specific details of the type of helix configuration, installation depths, and torque values that were needed to support the driven sheet pile wall. Fasteel and Tar Heel Piering Systems were able to accommodate the speciality helical anchor needed. There was also a need for a performance test which was done using a 60 ton hollow core ram jack.

In addition to the Helical anchors that needed to be installed the project also needed walers to span the wall in between the helical anchors. With the help of the field personal at Eastern Bridge, the walers were installed and attached to the helical anchors using a Williams bar tie back kit. Once the anchors and the walers were in place Eastern Bridge Co. was safe to remove the additional dirt required to complete this project.

It was a tight working area and with all the traffic on this busy road, installation had to be completed in a timely manner. Thanks to Tar Heel Piering and Fastell the project was another success and proves once again that helical piering can not only save money but also time.

