

# Railroad Expansion Near Charlotte-Douglas Airport

Charlotte, North Carolina

Norfolk Southern Railway is constructing additional rail lines near the Charlotte-Douglas Airport. Several road bridges cross the railroad tracks. Widening for the tracks required excavation of the sloping ground supporting one of the bridge abutments.

The vertical cut was supported with drilled in W14x99 wide flanges. Strand tieback anchors were installed for lateral support. The facing outside of the bridge was precast concrete panels. The facing under the bridge was cast in place concrete because the bridge precluded setting precast concrete panels.



GC: Blythe Construction Co.  
Geotechnical Contractor: WEC