



Project Name: US17 Wilmington Bypass over US421 and the NE Cape Fear River

Location: Wilmington, North Carolina

Owner: North Carolina Department of Transportation

Client: GLF Construction Corporation

Project Facts: The North Carolina Department of Transportation (NCDOT) officially opened the US 17 Wilmington By-Pass to traffic on 30 June 2006. The new US 17 Wilmington By Pass spans the NE Cape Fear River and adjoining wetlands in New Hanover County, from US 421 to US 117 / NC 133. The project included four minor bridges, ramps connecting to US 421, the west approach spans, the east approach spans and the main channel spans. The main channel spans is a three span segmental bridge comprised of a twin cell post-tensioned concrete box girder superstructure. The bridge was designed for segmental, balanced cantilever, cast-in-place construction utilizing both form travelers and conventional falsework. The segmental span lengths are 279 ft. – 479 ft. – 279 ft. This was one of the first cast-in-place segmental bridges constructed in North Carolina.

Services Provided: Performed an independent take-off and detailed estimate for the cast-in-place main span superstructure portion of the project for the client to be used in the claim to recover funds for the delays incurred.

When: Nov 2007 thru Present (Ongoing)

Website Links: <http://www.glfconstructioncorp.com/wilmington.html> and <http://wilmingtonbypass.pbsjis.com/home/>

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