

Goldsboro Bypass (USA)



Project description

The Goldsboro Bypass is a 20-mile bypass of the city of Goldsboro, North Carolina. Also known as Highway 44 (NC 44), it will connect to US Highway 70 (US 70), one of the major east-west corridors traversing eastern North Carolina. Construction started in 2008, and the first phase opened in December 2011. The bypass includes a number of structures to cross roads, rivers and streams.

Delivered products

A total of 32 expansion joints are being supplied to accommodate the movement demands of six highway bridges. With longitudinal movements limited to just 2.8 inches (70 mm), single gap joints were preferred in order to maximize durability and minimize maintenance and renewal requirements. Joints of type TENSA®FORCE RG10 were selected to meet the specific needs of North Carolina DOT. Such joints are being commonly used in the area to replace existing compression seal joints, which over the years have shown major deterioration.

Highlights & Facts

mageba products:

Type: TENSA®FORCE expansion Joints, 2.8" movements
Installed: 2014

Bridge:

City: Goldsboro, NC
Country: USA
Construction: Highway bridges
Built: 2013-2014
Length: 1,385 ft (longest bridge)
Contractor: S. T. Wooten

The highway bypasses the city of Goldsboro in North Carolina



Image of a TENSA®FORCE RG10 expansion joint, with sharp upturns at each end



Two TENSA®FORCE RG10 expansion joints as fabricated, ready for installation

