

# Bridge 28 over Tar River (USA)



## Project description

The Tar River of North Carolina is approximately 215 mi (346 km) long and flows southeast towards the estuary of Pamlico Sound. The river empties into another body of water, the tidal Pamlico River, after passing under the U.S. Highway 17 Bridge in Washington, North Carolina.

According to the NCDOT Bridge Information, Bridge 28 carried a safety rating of 45.86 out of 100. Although it was built in 1952, it is not considered structurally deficient or functionally obsolete.

Despite an absence of complications, the North Carolina Department of Transportation (NCDOT) resolved to replace Bridge 28. The estimated cost of the project was \$6,375,000.

## mageba scope

All steel and iron products that are permanently incorporated in this project were produced in the United States.

2 TENSA®FORCE RG10 strip seal expansion joints with a total length of 39.55 ft (12 m) were used to accommodate the bridge movements. In addition, the joints were also fitted with barrier cover plates as per project design drawings.

All joints were designed and manufactured in accordance to specified bid drawings approved by NCDOT.

## Highlights & Facts

### mageba Products:

Type: TENSA®FORCE RG10 expansion joints  
 Features: Barrier cover plates  
 Installation: 2019

### Structure:

City: Old Sparta, NC  
 Country: United States  
 Main span: 107 ft (32.6 m)  
 Length: 610 ft (186 m)  
 Owner: NCDOT  
 Contractor: S.T. Wooten Corporation

Bridge 28 is situated in Edgecombe County of North Carolina



TENSA®FORCE RG10 joints assembled and ready to ship



3D rendering of joint installed in the roadway

