



November 2014



May 2017



BRIDGE DECK - RINGGOLD, GA

PROJECT DESCRIPTION

FORTA-FERRO[®] was used in late 2001 on a state bridge deck topping project in Ringgold, GA. The bridge, originally built in 1950's, had been resurfaced in 1997, but had already deteriorated to the point of necessary repair. The Georgia D.O.T. looked to FORTA-FERRO[®] as an **easy-to-use and cost-effective method to add a high level of crack control and long-term durability**. After scarifying 3-1/2" of deteriorated concrete, a cement slurry was brushed on as a bonding agent, FORTA-FERRO[®] was added and mixed at a dosage of 4.0 lbs. / cu. yd. and then placed using a vibrating power screed. **FORTA-FERRO[®] offered no difficulties to the bull-float and broom finish.**

UPDATE

The bridge deck was surveyed in May 2017, 16 years after the initial construction, and was found to **still be performing well under heavy impacts and traffic loads**. In the center picture above, you can see the ground base on the left (without FORTA-FERRO[®]) is deteriorating at a much faster rate than the flexing bridge topping slab on the right of the joint (reinforced with FORTA-FERRO[®]).

KEY POINTS

- Superior Strength
- Mixed and Placed Easily
- Cost Effective

DETAILS

Date: October 2001

Location: Ringgold, GA

Dosage: 4.0 lbs. / cu. yd.

Fiber: FORTA-FERRO[®] 2-1/4"

Owner Type: Government

Application: Pavement

Contact us for more details