

Deep Creek Arch Deck

Volusia County
FDOT #794081, 8VO7105

In the early 1920s, probably 1920 or 1921, Volusia County contracted with the Luten Bridge Company to build this four-span, reinforced concrete arch deck bridge on Deep Creek. The bridge once occupied a key location on a locally important roadway, called the St. Johns River Scenic Road (now CR-3) that joined DeLand and Barberville. The structure extends 108 feet in length and is 23 feet wide; each arch span measures 28 feet long. The multiple arch span features a solid concrete parapet with rectangular design. Short wing walls extend from the abutments.



Photo 5-13. Deep Creek Arch Deck, Volusia County (No. 794081)

The Luten Bridge Company built this structure from a design widely used by the firm throughout Florida in the 1920s. It is very similar in design and construction to the Old San Mateo Road Bridge in Putnam County, among others. Its arch deck bridges were well engineered, soundly constructed, aggressively sold, and competitively priced, all of which accounted for their popularity.

The Deep Creek Arch Deck Bridge was determined NRHP eligible by the SHPO on May 3, 2006. It is significant under NRHP Criterion A in the area of Transportation and under Criterion C in the area of Engineering as a fine example of a multiple arch span from the 1920s, as well as for its association with the Luten Bridge Company. Bridges of this age and type are a dwindling resource.

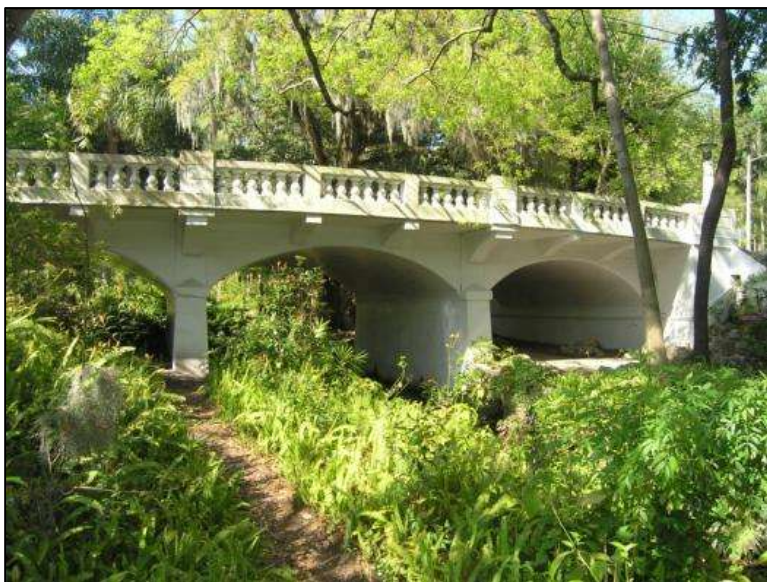


Photo 5-14. Washington Street Bridge, Orange County (No. 755806)

Washington Street Bridge

Orange County
FDOT #755806, 8OR3190

This bridge, which carries Washington Street over Fern Creek in Orlando, represents an especially nice example of a reinforced concrete arch deck bridge. It is located near a city park within an attractive, older residential section of Orlando. Three 20-foot long arches form the substructure that supports the deck, and cantilevered floor beams widen the bridge to provide walkways on both sides. The concrete railing consists of urn-shaped balusters in panels separated by low pilasters, giving the bridge a classical appearance. The style extends to the