

SC 133 Bridge Replacement Feasibility Study

Pickens County, South Carolina

CLIENT
SCDOT
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COMPLETION DATE
December 2020

E.L. ROBINSON'S ROLE
Prime Consultant
PE Design – Roadway, Traffic Control,
& Structures
Wetland Delineation
Threatened and Endangered Species
Habitat Screening

PROJECT MANAGER
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The project was a feasibility study for the replacement of the bridge crossing Crow Creek which is part of the backwater for Lake Keowee in Pickens County, SC. ELR Engineering staff presented multiple concepts of different alternatives. Five alternatives were further developed with preliminary designs to quantify potential impacts, investigate maintenance of traffic, and determine right-of-way constraints, and evaluate cost estimates.

ELR provided a screening for all environmental resources as part of the impact matrix table. In addition, a more in-depth threatened and endangered species habitat screening was conducted. The screening concluded the need for surveys for Indiana bat, smooth coneflower, and bald eagle. Furthermore, the northern long-eared bat was flagged as a species known to occur in this section of Pickens County. Pickens County is also within a white-nose syndrome zone. As such, the USFWS 4(d) rule was applied to provide a recommendation that tree removal activities do not occur between July 1 and July 31. ELR is awaiting NTP and reactivation of the assignment.

