

CARLSON CONSULTING ENGINEERS, INC.

Environmental Sample Project

Wetlands Mitigation
Pine Bluff, AR

To offset the loss of 0.6 acres of existing wetlands during the construction of a retail commercial center in Pine Bluff, AR, the US Army Corps of Engineers required as part of their permitting process that 1.8 acres of wetlands and their surrounding habitats be replaced. An area between the commercial center and Bayou Bartholomew was used to construct 2.44 acres of wetlands. Bayou Bartholomew is a one-million acre watershed lined with majestic cypress and tupelo swamps that begins its journey northwest of the city of Pine Bluff, AR and flows approximately 375 miles to the Ouachita River in Louisiana. It is the longest bayou in the United States and is home to numerous types of wildlife including over one-hundred and seventeen species of fishes. With such a valuable, sensitive environment adjacent to this retail commercial center, CCE had to take extra precautions in the design of the wetland to ensure the local wildlife and natural watersheds would not be adversely affected. The constructed wetlands successfully addressed all the environmental concerns related to the development, and the mitigation efforts have been well received by the local wildlife.

