

Viestenz-Smith Mountain Park

Grand Re-Opening | September 28, 2018

Reconstruction



Rebuild for Resiliency

During the 2013 Flood, the river moved south like the path it took during the 1976 Flood. The general philosophy for park reconstruction was to improve the park's resiliency during future flood events while considering natural aesthetics, recreation and river ecology. As such, the river channel was moved south to its post-flood location, and different channel stabilization techniques were introduced for scour mitigation and protection. Reconstruction of VSMP was made possible thanks to a FEMA Flood Recovery Public Assistance Grant, and a Community Development Block Grant through the Housing of Urban Development's Disaster Recovery Program.



New River Channel with Geogrid Reinforced Boulder Wall (left) along Sharp River Bend for Scour Protection



Western Confluence of the New (left) and Old (right) River Channels



Eastern Confluence of New (left) and Old (right) River Channels



Boulder Drop Structure to Slow and Guide Water in New River Channel



Filling the Old River Channel



Geogrid Reinforced Subgrade at Parking Lot



Geogrid Reinforced Retaining Wall and Bridge Abutment Anchored into Bedrock through Micropiles



Stacked Boulder Wall Lining Geogrid Reinforced Wall at Parking Lot to Create a More Natural Aesthetic



New River Channel and Floodplain Bench to Accommodate Water when the River Overtops



ADA Accessible Terraced Fishing Platform Designed to Accommodate Spring Runoff Flows and Allow Fishing on Multiple Levels



Historic Power Generators Near Current Parking Lot



Placement of 100' Long Bridge



Skeleton of Picnic Shelter During Construction