

Straight Fork Bridge

Eastern Federal Lands Highway
Great Smokey Mountains National Park



STEEL TRUSS BRIDGE

This project consisted of constructing a 120 feet long single span, steel truss bridge and roadway approaches for the Federal Highway Administration Eastern Federal Lands Highway

Department (EFLHD). Being that this structure is located in the Great Smokey Mountains National Park, also designated as a World Heritage Site, this project required strict adherence to environmental regulations in an effort to protect the integrity of the National Park.

We worked closely with the EFLHD to regularly monitor all turbidity levels of the stream in an effort to maintain the existing pristine water of the Straight Fork Creek and not impact the Native trout population.

Additionally, as part of this project, a Native stone retaining wall was constructed to support the existing roadway. Native stone was carefully selected to emulate the existing rock conditions to provide the innate appearance the National Park provides.

VOLUME

\$700,000

OWNER

Federal Highway Administration
Eastern Federal Lands

CONSTRUCTED

2006

UNIQUENESS

Project improved the protection of the National Park by removing a low water concrete ford, resulting in improved stream conditions.