



BROUILLETES CREEK STREAMBANK RESTORATION

Total Project Delivery: Construction, Installation & Preservation

OWNER: American Electric Power

CLIENT: Indiana-Michigan Transmission Company, Inc.

LOCATION: Vermillion County, Indiana

YEAR: 2012



American Electric Power currently maintains in excess of 39,000 miles of transmission lines across the United States. AEP maintains the goal of protecting the system by minimizing outages, adverse environmental impacts, ensuring compliance with all applicable laws and regulations, performing its work as safely and economically as possible, and maintaining a positive relationship with land owners and the public. Williams Creek has continually assisted AEP with the implementation of natural system restoration for asset management protection.

Williams Creek provided full Design Build services, including ecological engineering and construction management services necessary to design, permit, and construct approximately 700 linear feet of streambank restoration in Vermillion County, Indiana. The primary purpose of the project was to stabilize a rapidly eroding section along the east bank of Brouillettes Creek near a 345 kV transmission tower.

Williams Creek designed and constructed bank modifications, including hard armoring the toe of slope to halt the near-term scouring, installation of rock barbs and j-hooks to return the centerline of the stream to its former location, and relaxing eroded slopes and stabilizing them with permanent turf reinforcement mats and native, herbaceous, and woody plant installation. Bank modifications returned the stream to its former centerline within 12 months and eliminated the threat of lost regional power, reduced localized sedimentation into the creek, and enhanced the riparian corridor to better support wildlife.

Market Served: Power & Energy