

# FOX Engineering Wins Design Award

The American Council of Engineering Companies of West Virginia (ACECWV) awarded their Engineering Excellence Awards during the Engineering Excellence Awards Banquet held October 18<sup>th</sup>, 2011 at the Charleston Marriott. FOX Engineering was honored to be the recipient of the Gold Award in the Category of Transportation for the Blandville Bridge Replacement.

FOX designed the replacement structure for Blandville Bridge, which carries West Virginia Route 18 over Meathouse Fork in Doddridge County, West Virginia. The existing structure was a three-span concrete T-beam bridge with a total span length of 154 feet. The replacement structure was a single span steel plate girder spanning 172 feet. Services provided by FOX for this project included surveying, hydraulic analysis, permit applications, right of way, bridge design, roadway and maintenance of traffic design. FOX was able to meet a very aggressive design schedule for this project; only four months. Along with an aggressive schedule, this project faced environmental concerns and construction issues. FOX was able to come up with creative uses for portions of the existing substructure that minimized the environmental impact to Meathouse Fork and to help save construction dollars. The existing piers were used to help launch the new girders before being demolished. This limited stream impact as well as construction disturbance to the floodplain. One existing abutment was left in place to act as a retaining structure. The Abutment was approximately 43 feet in height and would have been cost prohibitive to completely remove. Only the top portion, the amount necessary to provide required clearance to the new structure, was removed. A new cap was cast and the abutment was painted to create an attractive retaining structure.



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**FOX Engineering** is a multi-disciplined consulting engineering firm and **FOX Construction** is a licensed General Contractor, offering innovative solutions to our clients. As a field to finish firm, **FOX Engineering** provides surveying, civil engineering, construction inspection, contractor services, and structural inspections as a consultant to our clients including government agencies, municipalities, other consultants and contractors as well as private clients.

**FOX's Construction a FOX Engineering Company**, has geared up to provide a wide range of construction services including: small bridge construction, commercial and industrial design/build project's, guardrail & excavation services. We stand ready to meet your projects' needs, no matter what stage it may be in - from concept to completion!