



CONOCOCHEAQUE CREEK

AQUEDUCT REHABILITATION

McMullan & Associates, Inc

Specialized Structures

Williamsport, MD

National Park Service, Owner

Peck, Peck & Associates, Architect

Corman Kokosing, Contractor

The historic Conococheague Aqueduct on the Chesapeake and Ohio Canal in Williamsport, Maryland, was rehabilitated using a combination of historic and modern materials and methods. This water-filled, three-arch stone masonry bridge carried canal boats over the Conococheague Creek from 1835 to 1924. After a canal boat broke through the berm side parapet and fell to the creek below in 1920, it was replaced with a timber floor and wall with outriggers, and the repair served until the aqueduct was permanently closed after two floods in 1924. Although damaged by years of flooding, the existing arches were determined by analysis to be still capable of supporting an aqueduct full of water at a six-foot depth. The modern rehabilitation included repairs to the masonry arches and foundations as well as the existing walls and parapets, construction of a concrete floor and wall with a timber form liner, and installation of timber outriggers to replicate the aqueduct's 1920s appearance. With the restoration of water in the aqueduct, this repair and rehabilitation project now allows visitors to ride a boat across the historic Conococheague Aqueduct during the summer months.

