



**DOWAKSA** CarbonWrap®

## CASE STUDY

THE MEETING HOUSE BRIDGE  
WESTERLY, RHODE ISLAND

### TWO-SPAN ARCHED BRIDGE RESTORED

#### Problem

Due to recent floods, the two-span arch bridge near Westerly, Rhode Island, had been severely damaged in several areas. This damage also compounded the deterioration due to many years of use without adequate maintenance. The state implemented an emergency repair program for the bridge and identified the DowAksa CarbonWrap® technique as the best solution to achieve the repair objectives in the shortest possible time.

#### Solution

DowAksa CarbonWrap® designed and installed a unique solution, combining carbon laminates and fabric to strengthen the bridge for shear and flexural forces. The majority of the work was conducted during the months of November and December; therefore, the bridge had to be tented and heating devices used to bring the temperature up to acceptable levels. The project was successfully completed in time, and it met all design objectives and testing.



Phone: 520.292.3109

Toll Free: 866.380.1269

[www.DowAksaUSA.com](http://www.DowAksaUSA.com)