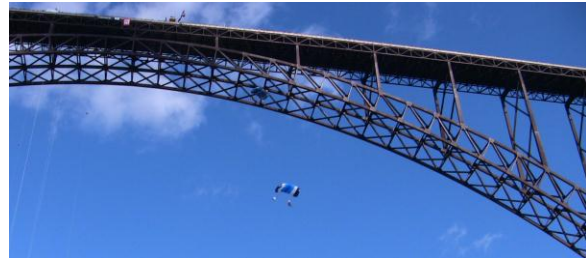


FRP Bridge Drain Pipe Case History

New River Gorge Bridge – Fayetteville, WV



Service

Climbing nearly 900' above the New River Gorge and boasting a steel arch span of just over 3,000' in total length, this structure demonstrates civil engineering at its finest. Currently acting as the fifth tallest vehicular bridge in the world; the Fayetteville community takes great pride in this landmark structure. When de-icing salts began to unexpectedly attack the structure, particularly through pack rusting at the joints, WVDOT engineers needed to begin rehabilitation work to reduce this accelerated corrosion. Along with bridge cleaning and hardware improvements, a full capture drain system was installed by Specialty Groups, Inc. of Bridgeport, WV.

Features & Benefits

The fiberglass drainage system will never rust or rot giving the pipe a neat, clean appearance for many years to come. This feature was especially important to the client seeing that once a year nearly 100,000 tourists visit the bridge for the Fayette County Bridge Day. Custom colors pigment the pipe helping the drain system match the steel arch supports. On a more consistent basis, the drainage system will provide a vital safety feature for the nearly 16,000 motor vehicles that use the bridge daily.

Pipe System

- 576' of 8" Bridge Drain Pipe
- 16 Custom Fittings and Collectors
- 48 Socket Flanges