The Virginia Department of Transportation needed a cost effective solution for a vehicle crossing on a stocked trout stream located in rural Highland County. After obtaining the site grades, hydraulic flow data, desired width of the travel lane, expected vehicle frequency and loads ACF was able to design a system of ACBs.

Shoretec’s Shoreblock SD 900 L Closed Cell product was selected for this application due to the hydraulic conditions and anticipated vehicle traffic.

The Shoreblock SD 900 L Closed Cell product was delivered to the project site as prefabricated cabled mats.

ACB Mat Placement Sequence begins as mats are picked up from the flatbed using a Spreader Bar.

The Shoreblock ACB System installation sequence continues.

A high strength woven geotextile was utilized under the stone base for separation and reinforcement.
The stone base was leveled prior to ACB mat placement.

The Shoreblock ACB System installation sequence continues.

The ACB mats were fabricated to meet the specified 14’ travel lane width.

The ACB System ready for vehicle traffic. The project took four days in total to complete.

Completed stream cross in use.