

STREAMBANK STABILIZATION

SITE

Bank of the Hoosic
River

LOCATION

Hoosick Falls, NY

CLIENT

Confidential

DATE

AUG 2023 - Current

Project Value:

\$750k



RENOVA was selected as the prime contractor to perform a streambank stabilization at a confidential site along a river in New York state. The area in the vicinity of the compromised streambank was identified as the future location of new municipal water wells. The new wells will be connected to the existing water treatment in response to the contamination of the municipal drinking water supply by PFAS. Due to the levels of PFAS contamination to the community water supply, the site was added to the National Priorities List (NPL) as a Superfund site in 2016.

Renova worked closely with the design engineer to provide value engineering and constructability reviews to develop a more effective implementation. Disturbance to the access road area was mitigated through the use of composite mats, instead of a stone road, and water in the river was diverted with a sheet pile cofferdam, instead of other less effective options.

A rapid implementation was completed within a compressed schedule to meet the regulatory deadline for fish passage, which required all in-water work to be completed by 30 SEP. Renova mobilized to the site in August, 2023 and installed a 650' temporary access road from the roadway to the riverbank to prevent damage to the existing topsoil surface. The cofferdam was dewatered using 4" diesel driven pumps, to allow for regrading of the streambank to a 2:1 slope. Renova then installed 1,500 tons of up to 36" armor stone to protect the streambank and prevent future erosion. Final site restoration consisted of plantings, seeding, and the use of live stakes along the upper streambank. The project was completed with zero safety incidents, on schedule, and within budget.