A Unique Structure for a Unique Site:
To maximize waterway opening for the Lamoille River and best fit the site, VTrans selected a unique 3-span cantilever structure with abutments supported by the superstructure.

Application of Advanced Technology:
The unusual structure type coupled with the curvature of the bridge required the Consultant to develop a complex 3D nonlinear staged construction finite element model to adequately capture the structure’s behavior.

Improving a Beautiful Location:
The replacement structure and improved approach roadways provide additional safety measures for Lamoille River Rail Trail users and fishing enthusiasts who enjoy the river. The wider waterway opening will also reduce the current and future scour issues at the site.

Exceptional Teamwork:
VTrans sought assistance from the Consultant to provide advanced structural modeling and to take the design to completion. This close teamwork, involving significant coordination between the VTrans and Consultant teams every day, worked very well.