

1020' composite structure. The stairs will provide egress not more than 300' from any point on the bridge.

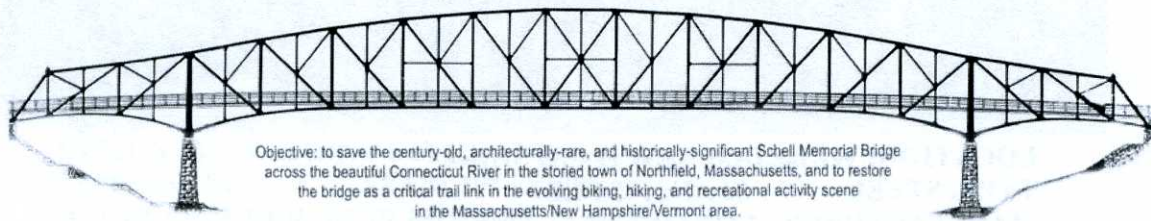
## DESIGN ALTERNATIVES

GV's conceptual design is fashioned after the historic Schell Bridge which crosses the Connecticut River in Northfield, Massachusetts. This is a concept design and the final design may well differ from the concept.

Although the Schell Bridge still stands, it is in a state of disrepair and is currently slated for demolition. Perhaps the ulterior motive for selecting this design was not only for its elegant geometry but also to raise awareness of the pending demolition of this historic treasure and to muster public support for its preservation.



**SHELL BRIDGE**



**SHELL BRIDGE**

There are a number of potential designs which should be considered. These include prefabricated steel and timber bridges. A steel bridge is more conventional and can be fabricated and erected for a lower cost than a timber bridge. Timber bridges are typically constructed for their aesthetic appeal. A timber bridge would perhaps be more in keeping with the historic nature of the rail corridor.

The bridge designs can range from simple to extraordinarily complex. The following are examples of a variety prefabricated bridge designs. The manufacturers of all of these bridges have extensive experience in bridge design and can meet the qualification objectives of the City of Keene. For example the designers at BigR Bridges hold professional engineering license in all 50 states. Continental Bridge, with more than five years experience designing and fabricating bridges, is prequalified by the New Hampshire Department of Transportation. U.S. Bridge recently completed a pedestrian bridge with a 221' span in Burlington - Colchester, Vermont. U.S. Bridge has a long history of bridge construction and is also qualified. These fabricator as well as others are highly qualified, experience, and capable of designing and producing a prefabricated structure that would meet the engineering and experience criteria established by the City of Keen for the North Bridge project.