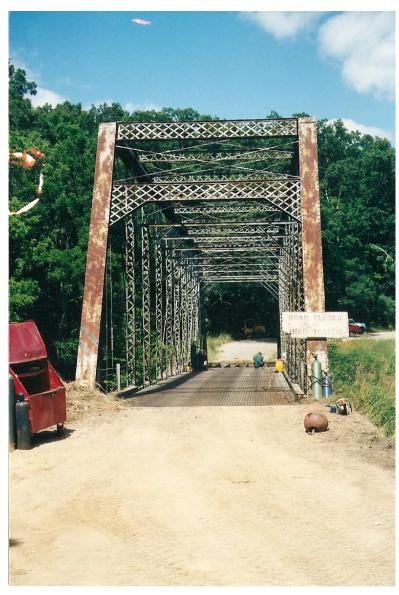


Project: Charlotte Highway Bridge

Overview: This project involved the non-destructive removal from abutments and disassembly of a 177 foot long (173 foot span) pin-connected Whipple through truss bridge with 14.4 foot roadway, built in 1886. Photos Courtesy Vern Mesler.



Bridge during deck removal.



Using two cranes to lift the bridge from its abutments.



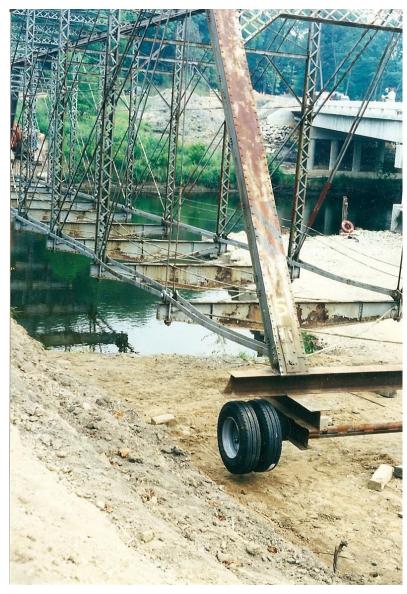
Using two cranes to lift the bridge from its abutments.



Placing one end of the bridge on a dolly which will roll the bridge back.



For this particular bridge, a barge was used on the other end for a portion of the removal process.



Detail showing the dolly system used to roll the bridge away from the abutments.



Detail showing the dolly system used to roll the bridge away from the abutments.



Dismantling the bridge. Note the temporary beams under the top chord and beside the truss added for stability.



Dismantling the bridge. Note the temporary beams under the top chord and beside the truss added for stability.



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Dismantling the bridge. Note the temporary beams under the top chord and beside the truss added for stability.



Dismantling the bridge. Detail showing a pin nut removed, as well as the associated eye bars.



Dismantling the bridge. Bridge completely on the ground, with temporary beams ready to be removed. Photo Courtesy Vern Mesler



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