

# 10. Kelly Regan's Talbot Avenue Bridge

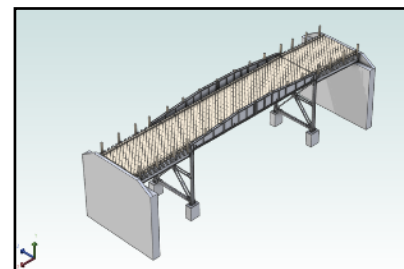


This is a model of the Talbot Ave. Bridge in Silver Spring Maryland. The bridge was built to cross the Baltimore and Ohio Railroad's double-track Metropolitan Branch in Silver Spring Maryland. It is a one-lane metal girder structure installed in 1918. Its



primary span used components of a dismantled railroad turntable. The structure was 106' long and 14.5' wide, from timber curb to curb and an out-to-out width of 18'. The greater structure consisted of a through-plate girder in the center span, rolled girders in the end spans, timber floor beams, a wood plank deck and a timber railing. The bridge connected Hanover Street and Lanier Drive.

I modeled the bridge in Alibre Design, a 3d CAD software. All measurements and photos were taken by Ben Sullivan and myself. Once the model was





completed in software, I had to work out how to print the parts. The model was printed in about 10 sub-assemblies. The wood railing is made from scale lumber. Paints are various acrylics applied with an airbrush. The deck was painted with a brush to help achieve the wood grain. Weathering is a mix of paint washes and powders. *Kelly Regan*