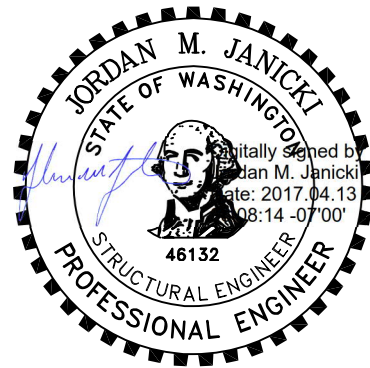




MEMORANDUM

TO: Mike Janicki
 Dan Cox
FROM: Jordan M. Janicki, PE, SE
DATE: April 13, 2017
RE: Janicki Logging 40ftx14x Bridge Load Rating
 Location: Off Grip Road, Sedro-Woolley, WA



The Davido Consulting Group has analyzed the load rating capacity of the main structural members of the Janicki Logging Bridge located off the Grip Road in Sedro-Woolley, based on the photos and descriptions from Mike Norris. W36x184 were used in the analysis for the girders and W12x40's was assumed for the cross purlins based on Janicki Logging drawings from 2/18/99. Based on the analysis the bridge rated for HL-93, and HS-25 loading. The limiting factor in the design is the shear capacity of the concrete decking limiting the rating to HS-25

The main bridge girders and the cross members have a much greater capacity than is required for this loading and have the capability of supporting up to U80 off highway loads. Please contact DCG if a higher load rating is required for a specific load case.

