

# SIGNATURE FOOTBRIDGES

Custom Designed & Built  
For Your Community



CLIENT: TOWN OF PRINCETON, BC  
VERMILLION TRAILS SOCIETY



## StructureCraft

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[www.structurecraft.com](http://www.structurecraft.com)

13.5m was considered out of the question. The key to unlocking this problem was implementing the patented 'Hess Limitless' connection at all chord splices. This connection system involves on-site gluing of conventional finger-jointed chord ends and additional high grade timber wedges to the top and bottom of the glulam chords. Quality control amidst the harsh Black Sea climate is assured by exporting a small-size prefabricated, climate controlled, and fully equipped manufacturing 'shed' to the job site.

All other truss connections consist of standard split plate steel pin connectors, augmented with confining bolts. The Kerto floor panels were power nailed to the truss members. A temporary dam was constructed to facilitate assembly of the trusses in lengths up to 48m directly at their respective span locations.

The bridge was opened on schedule on January 1, 2012 by former Georgian President Saakashvili. The original intention was to clad the entire timber structure with chestnut siding; however, the aesthetic expression of the timber trusses was so compelling that the decision was made to clad the trusses with translucent polycarbonate panels. 🏠

GENERAL CONTRACTOR  
CRP  
Tiflis, Georgia

TIMBER MANUFACTURER  
HESS TIMBER GmbH  
Germany

CONCEPT ENGINEER  
Leonhardt Andrä und Partner  
Germany

TIMBER ENGINEER  
Fast + Epp GmbH  
Darmstadt, Germany

Typical steel pin and bolt truss diagonal connections.  
PHOTO CREDIT: HESS Timber GmbH

