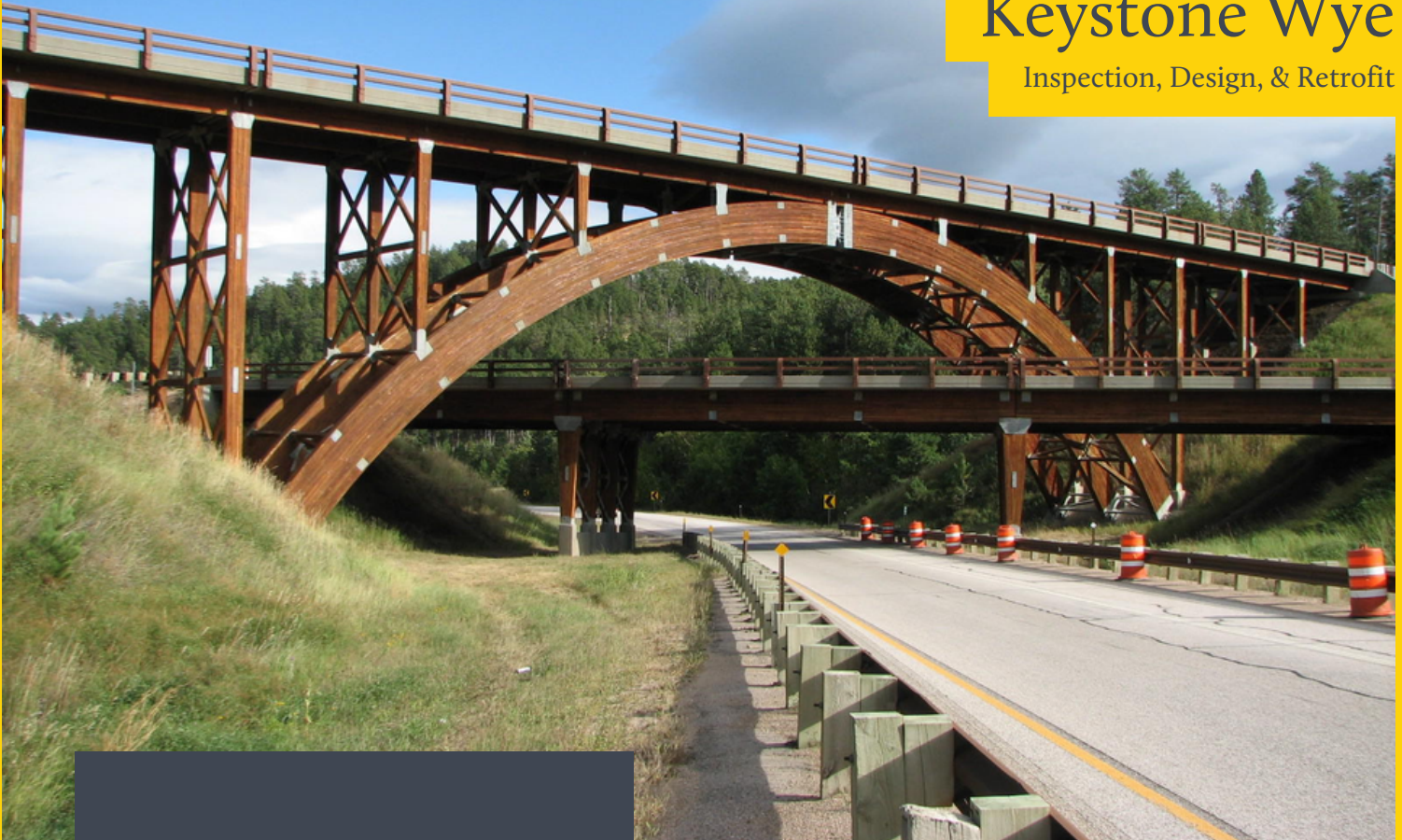


# Keystone Wye

Inspection, Design, & Retrofit



Client:  
Stantec Engineering

Contact:  
Jan Hansen  
612 712 2056  
jan.hansen@stantec.com

Total Project Cost:  
\$80,505.00

Start & Completion Dates:  
02/26/2018 - 04/08/2018

Wood Research and Development was commissioned by Stantec Engineering to complete an inspection on the Keystone Wye Interchange which consisted of two timber highway bridges. Analysis of the structure has determined that the bridges are in good shape with some restoration and maintenance required. WRD designed a fix involving diffusing all timber elements with SWT Readings in the yellow and red zones to arrest decay, epoxy filling gaps between girder and the road deck and continuing the process of cleaning and staining the surface of the timber.

It was recommended that a follow-up of non destructive testing should occur within two years of the original testing. Following the recommendations should prolong the useful life of the structure for another 50 years.

## Key Personnel

Rodney Rosecrans, Matt Cole,  
Alvin Young

Dan Tingley, Clay Hoger, Simon  
Gong, Andrew La Spina,  
Madison Bower

Andrew Noble, Lynn Foucault

## Project Responsibilities

- Inspection & Restoration Team

- Design Engineers

- CAD Technologist Team