



Atlantic Industries Limited

# PROJECT PROFILE



## Steel bridge easier and less costly than its concrete twin

Way out in Wyoming, there's a tale of two bridges that bears telling. These bridges sit tightly side by side, each spanning the same distance on parallel rail spurs. Each doing the same job of allowing vehicular traffic to pass under heavy coal trains en route to the load-out facility at the generating plant.



### Project at a glance:

**Name:** Laramie River Station Loadout Bridge

**Location:** Wheatland, WY

**Owner:** Basin Electric Power Cooperative

**Contractor:** Earth Work Solutions

**Product:** Vehicular Modular Bridge, Pier and Abutment Design

**Application:** Railroad Overpass

**Sector:** Mining & Energy, Railway

**Dimensions:** 51 m Long (Three spans: 10 m, 31 m, 10 m) by 3.5 m Wide, E-80 Railway Design Loading



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The only difference is that the older bridge is concrete and the new bridge is a Prefabricated Steel Bridge from The AIL Group. But that difference saved the owner a great deal of time and money over a similar concrete alternative.

The Laramie River Generating Station is owned by Basin Electric Power Cooperative, a major player in the Powder River Basin. The additional rail spur loop was required for more unloading capacity to relieve congestion on the original spur.

### **Lightweight, easy to install, E-80 loading**

This 51 m modular design was built in the controlled environment of our manufacturing facility and shipped on flatbed trucks to the site. It was installed in three spans on concrete piers and abutments that were designed by our own engineering team as part of a complete package. The new bridge is lighter and faster to install than its concrete twin, yet it offers heavy-duty E-80 railway design loading capacity — all for much less than its concrete alternative.



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