

## Yellowstone River Bridge

Yellowstone National Park, Wyoming

### Project Description

The new 1,285-foot long, four-span steel plate girder bridge will replace the existing crossing near the intersection of the Northeast Entrance Road and Grand Loop Road (Tower Junction) in Yellowstone National Park. The 175-foot-tall crossing includes three precast segmental pier columns. The column segments are typically 10-feet in height, and are post-tensioned vertically. Vertical PT bars are used during erecting the segments and vertical loop-tendons anchored in a cast-in-place pier cap are stressed with the completed column. The precast pier column segments were cast in Boise, Idaho by Contech and erected by VSL Structural Solutions as a subcontractor to Ralph L. Wadsworth Construction.

### Owner

National Park Service

### Contractor

Contech (Precaster) / Ralph L Wadsworth Construction (Bridge Contractor)

### Designer

Jacobs

### Our Role

MBJ provided geometry control for the match-casting of the pier columns for Contech. MBJ also provided technical support for Ralph L. Wadsworth Construction for erecting the columns on-site. This included erection geometry, segment handling, and coordination of details for precasting and erection.

### Total Contract Value

\$118M

### Timeline

2024

### Construction Method and Specifications

Precast segmental columns.

