

**HIGHWAY/TRANSPORTATION** \$15 MILLION TO \$50 MILLION

# BNSF RAILWAY BRIDGE 66.4 RECONSTRUCTION

**Location:** Cook, Skamania County  
**General contractor:** Advanced American Construction

The BNSF Bridge 66.4 changeout was successfully completed on Sept. 14, 2020, over a 36-hour railway closure. This complicated in-line railroad replacement exchanged an existing 1913-era 411-foot, five-span railroad bridge with new 436-foot, three-span bridge using accelerated bridge construction techniques. Installation of micropile foundations ranged in depths from 45 to 200 feet, due to the undetermined rock layer in the Columbia Gorge. Cast-in-place pier caps were placed on both sides of an active waterway. The 2 million-pound, 336-foot "through truss" bridge structure (constructed off-site) was towed up the Columbia River. Barge ballasting and float-out operations removed the existing bridge after final trains passed. Float-in and barge-ballasting operations set the new bridge up on pier caps, and land and water cranes removed and installed the approach sections. The project was executed efficiently, effectively and without safety/environmental incident.

**GRAND AWARD  
CONSTRUCTION**

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PHOTO FROM ADVANCED AMERICAN CONSTRUCTION