



*Top left: Picking cage; Top Middle: Pouring of slurry;  
Top Right: Completion Phase I-Assembling; Lower Left:  
Completion work*

## 11th Avenue Railroad Underpass

Nampa, ID

Mueser Rutledge Consulting Engineers (MRCE) designed the slurry walls and tieback anchors, reviewed construction procedures, advised on alternative methods of construction, provided start-up inspection, and consulted with the Idaho State Transportation Department. MRCE reviewed the construction of the highway underpass using slurry wall technology below 6 tracks of operating railroad. The project widened the underpass from two to four lanes, added a pedestrian overpass, and improved vertical clearance to 16 feet. In addition, the new underpass roadway is more protected from flooding than the original structure.

This project won the 2003 ACEC Idaho Engineering Excellence Award First Place and Grand Prize in Transportation.