



Photos show West Portal and East Portal rehabilitation of the Laramie-Poudre Tunnel Project.

Project Description

The Tunnel Water Company operates the Laramie-Poudre Tunnel for the benefit of its two shareholders: Water Supply and Storage Company (WSSC) and Windsor Reservoir and Canal Company (WRCC). The tunnel diverts from the Laramie River, about 60 miles west of Fort Collins, and delivers water through a 2.15-mile tunnel to the Poudre River. WSSC delivers irrigation water to its shareholders, primarily for agricultural irrigation on approximately 40,000 acres lying below the Larimer County Canal. WRCC delivers water to its municipal shareholders via the Soldier Canyon and Bellvue Water Treatment Plants.

The Company purchased the Laramie Poudre Tunnel and its adjoining Laramie River System in 1938. The west portal (inlet) has deteriorated since its original construction in 1910. The interior timber cribbing and concrete lining were at or near the end of their useful service lives and the slope steepness at the portals made it difficult for maintenance access. The east portal's (outlet) concrete energy attenuation structure was resurfaced many times before and was heavily spalled, near failure. The west portal construction rehabilitation was completed in 2016. Construction rehabilitation on the east portal was completed in 2019.

P R O J E C T D A T A

<i>Sponsor:</i> The Tunnel Water Company	<i>County:</i> Larimer	<i>Water Source:</i> Laramie River/Cache La Poudre River
<i>Type of Project:</i> Water Supply and Storage	<i>Board Approval Date:</i> September 2015	
<i>Terms of Loan:</i> 2.55% for 30 years	<i>(Original)</i> \$1,717,000	<i>(Final)</i> \$1,654,041.46
<i>Design Engineer:</i> Golder Associates, Inc.		
<i>Contractor:</i> Rock Solid Solutions and Connell Resources, Inc.		