



## Diversion Structures Replacement Project

Smith and Emmons Ditch Company  
Substantially Complete September 1, 2025



### Project Description

The Smith and Emmons Ditch Company replaced old and deficient structures with an improved diversion check structure, headgate structure, and measurement flume. Construction of the new ditch structures will enable the Company's continued use of the diversion with improved accuracy and a new operational lifespan.

Construction of the Diversion Structures Replacement Project included a new integrated check and headgate structure with manually operated slide gates along Idaho Creek where the Smith and Emmons Ditch branches off the Rural Ditch, a new long-throated measurement flume structure including automated data-logging, and improved approaches armored with rip-rap. The work will enable the Company to continue diverting their 47.16 cfs right on Boulder Creek, adjudicated in June 1883.

P R O J E C T   D A T A		
<i>Sponsor:</i> Smith and Emmons Ditch Company	<i>County:</i> Weld	<i>Water Source:</i> Boulder Creek
<i>Type of Project:</i> Ditch Rehabilitation	<i>Board Approval Date:</i> September 2022	
<i>Loan Terms:</i> 30 years @ 3.90% (Original) \$414,100.00 (Final) \$259,603.56		
<i>Design Engineer:</i> Schnabel Engineering, LLC		
<i>Contractor:</i> Nixcavating, Inc.		