



Outlet Works Construction



Outlet Valve Tower



Auxiliary Spillway



Upstream Slope of Dam

Photos show construction and completion of Walsenburg's City Lake Dam Project.

## Project Description

The City of Walsenburg's City Lake dam and reservoir provides the primary water supply and storage for the City's water treatment plant located downstream of the dam. Its average annual water delivery is 730 acre-feet. The original dam was subject to a State Engineer's Office (SEO) safety compliance plan since September of 2014, and a formal storage restriction since April 2017 as a result of dam safety deficiencies including seepage, stability, and spillway capacity. The Colorado Dam Safety imposed a 1-foot storage restriction on April 1, 2017, a 2-foot storage restriction on November 15, 2017, and a 3-foot storage restriction on May 1, 2019. The City needed the full storage capacity of City Lake to adequately supply their water treatment plant and to ensure future water supplies.

Elements of the Project included dam embankment reconstruction, new outlet works, new spillway construction, riprap channel lining, and a temporary bypass conduit to route water to the water treatment plant. The Project increased storage by 120 acre-feet by raising the dam embankment three feet. Construction rehabilitation and enlargement was completed in 2019.

P R O J E C T D A T A		
<i>Sponsor:</i> City of Walsenburg	<i>County:</i> Huerfano	<i>Water Source:</i> Cucharas River
<i>Type of Project:</i> Reservoir Rehabilitation		<i>Board Approval Date:</i> July 2017
<i>Terms of Loan:</i> 2.0% for 30 years	<i>(Original)</i> \$6,889,210	<i>(Final)</i> \$6,889,210
<i>Terms of Grant:</i> <i>(Original)</i> \$804,000 <i>(Final)</i> \$804,000		
<i>Design Engineer:</i> RJH Consultants, Inc.		
<i>Contractor:</i> Kirkland Construction		