



## Diversion Structure Replacement

Spring Dale Ditch Company  
Substantially Complete June 1, 2023



### Project Description

The Spring Dale Ditch Company is a mutual ditch company and a non-profit corporation. The Company, located in Logan County, operates the Springdale Ditch for the benefit of 51 shareholders by providing direct flow irrigation water from the South Platte River to approximately 2,500 acres by means of a diversion structure on the South Platte and a headgate, located approximately 350 feet downstream of the diversion. Both structures were well maintained, but showed signs of deterioration in 2019. There were also operation concerns due to system configuration.

The project included complete removal of the existing structures and replacement with a single new structure near the preexisting structure. The new structure includes an inflatable crest gate spillway, intake structure headgate, and control building for automated control of the system. The new structure provides multiple benefits over the current system, including restoration of channel continuity, improved sediment transport along the river, improved fish passage, and a reduction in required dredging. In the course of the work, cost savings allowed the Company to include improvements to the measurement flume in addition to the original project scope.

P R O J E C T   D A T A		
<i>Sponsor:</i> Spring Dale Ditch Company	<i>County:</i> Logan	<i>Water Source:</i> South Platte River
<i>Type of Project:</i> Diversion Replacement		<i>Board Approval Date:</i> November 2019
<i>Loan Terms: (Original) \$1,222,100.00 @ 1.45% (Final) \$1,216,243.14</i>		
<i>Design Engineer:</i> Harris Engineering Consultants, Inc.		
<i>Contractor:</i> BTE Concrete Construction. Inc.		