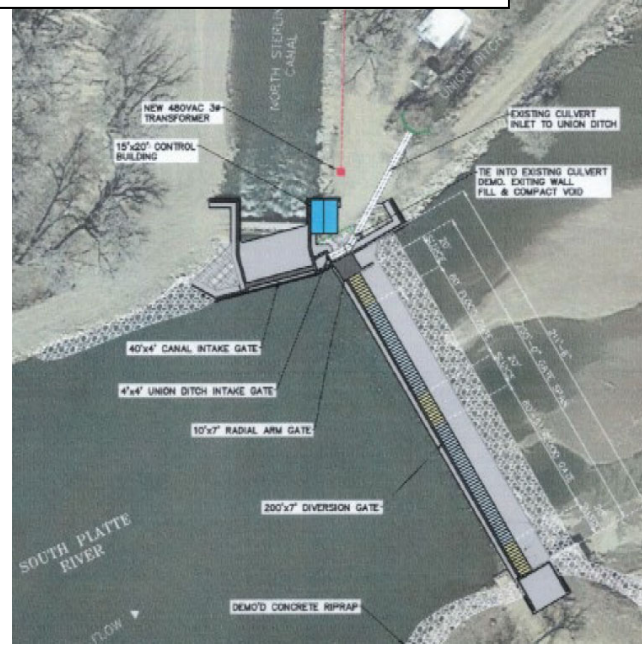




North Sterling River Diversion Replacement

North Sterling Irrigation District
Substantially Complete March 1, 2023

The new diversion structure is reoriented in the river to aid in sediment removal. Principal components include Obermeyer bladder gates, a new headgate structure for the Inlet Canal, a radial gate sluiceway, a control building, and a flume measurement structure.



Project Description

The North Sterling Irrigation District (District) was created in 1907 by the Board of County Commissioners and currently serves 122 landowners with more than 40,000 acres. Irrigated land in the District's service area produces corn, alfalfa, sugar beets, pinto beans, small grains and feed crops.

The project included replacement of the existing 210 foot long diversion structure with a bladder gate, a new inlet headgate, continued service for the Union Ditch, and a new measurement structure. This allowed for safe passage of flood events, sediment, and ice flow in the winter. During intermediate flows, it also allows for fish passage while a partial pool on the upstream side will benefit aquatic habitat and waterfowl. Benefits for the District resulting from the project include improved safety for employees, and automation including remote control. Construction began in the summer of 2021 and was completed in the early spring of 2023.

P R O J E C T D A T A		
<i>Sponsor:</i> North Sterling Irrigation District	<i>County:</i> Logan	<i>Water Source:</i> South Platte River
<i>Type of Project:</i> Diversion Replacement		<i>Board Approval Date:</i> March 2021
<i>Loan Terms: (Original) \$3,532,980 @ 0.85% (Final) \$3,532,980 @ 0.85%</i>		
<i>Design Engineer:</i> Harris Engineering Consultants, Inc.		
<i>Contractor:</i> Concrete Specialties and Utilities Construction, Inc.		