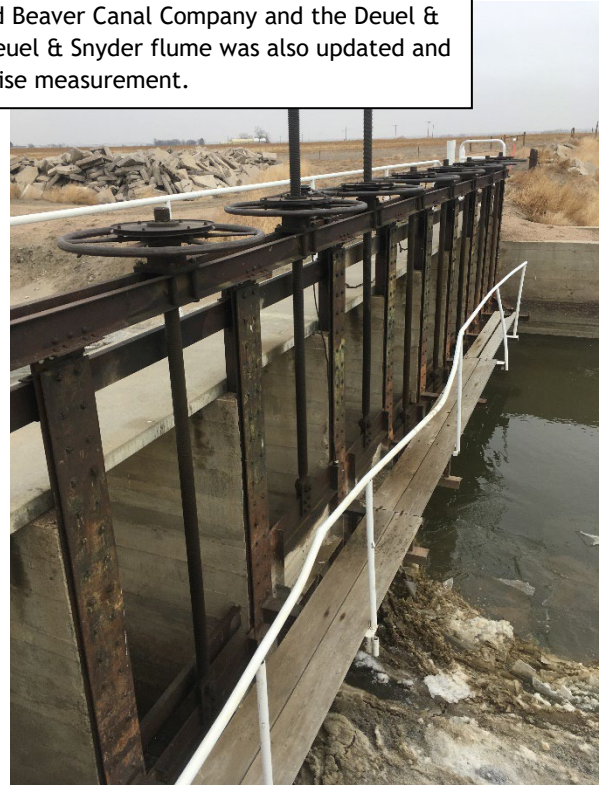




Diversion Structure Replacement

Deuel and Snyder Improvement Company
Substantially Complete May 1, 2023

The new diversion structure spans the entire width of the river allowing for diversions into the canals of both the Upper Platte and Beaver Canal Company and the Deuel & Snyder Improvements Company (left). The Deuel & Snyder flume was also updated and allows for more precise measurement.



Project Description

The Deuel and Snyder Improvement Company (DSIC) was incorporated in 1884 and shares a diversion off the South Platte River with the Upper Platte and Beaver Canal Company (UOBCC). Together the two ditch companies provide irrigation water on 11,500 acres.

The existing diversion structure was a reinforced concrete slab and buttress with a height of 9 feet and a length of 1,416 feet. The diversion structure was originally built in 1936 and had improvements done in 1965. It had several deficiencies including seepage and erosion under the structure and concrete deterioration throughout the structure. The new structure incorporates inflatable crest gates spillways (Obermeyer gates) and restores the channel continuity, improves sediment transport, and provides additional flow conveyance during floods. This loan was for the DSIC share of the project costs for removal and replacement of the old structure.

P R O J E C T D A T A		
<i>Sponsor:</i> Deuel and Snyder Improvement Company	<i>County:</i> Morgan	<i>Water Source:</i> South Platte River
<i>Type of Project:</i> Diversion Replacement		<i>Board Approval Date:</i> March 2020
<i>Loan Terms: (Original)</i> \$649,430.00 @ 1.60% <i>(Final)</i> \$638,776.95 @ 1.60%		
<i>Design Engineer:</i> Harris Engineering Consultants, Inc.		
<i>Contractor:</i> Ransom Boone Excavating		