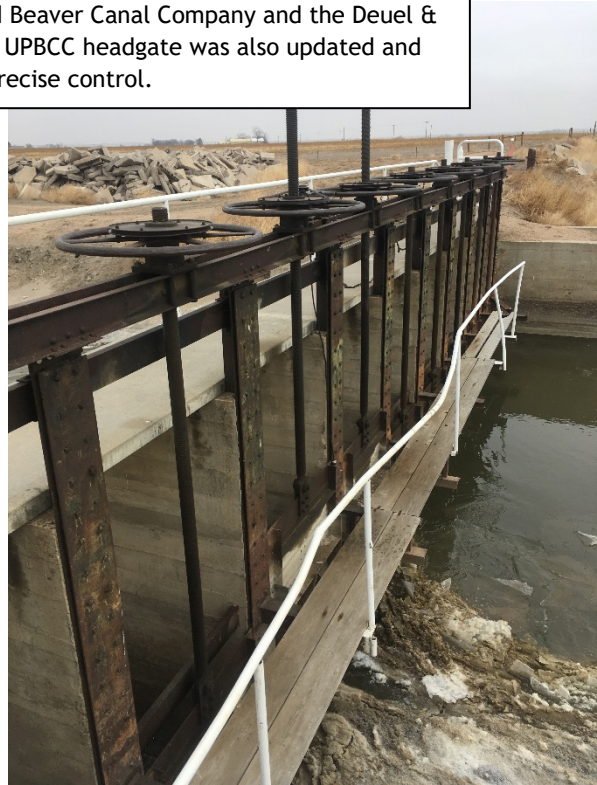




## Diversion Structure Replacement

Upper Platte and Beaver Canal Company  
Substantially Complete February 1, 2022

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 UPBCC headgate was also updated and allows for more precise control.



### Project Description

The Upper Platte and Beaver Canal Company was incorporated in 1888 and shares a diversion off the South Platte River with the Deuel and Snyder Improvement Company. Together the two ditch companies provide irrigation water to 11,500 acres.

The existing diversion structure is 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. This existing structure has several deficiencies including seepage and erosion under the structure and concrete deterioration throughout the structure. This project costed of the removal and replacement of the existing 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.

| P R O J E C T   D A T A  |                       |   |
|--|-----------------------|---|
| <i>Sponsor:</i> Upper Platte and Beaver Canal Company                            | <i>County:</i> Morgan | <i>Water Source:</i> South Platte River |
| <i>Type of Project:</i> Diversion Replacement                                    |                       | <i>Board Approval Date:</i> May 2019    |
| <i>Loan Terms: (Original) \$4,435,920 @ 2.25% (Final) \$4,078,215.22 @ 2.25%</i> |                       |   |
| <i>Design Engineer:</i> Harris Engineering Consultants, Inc.                     |                       |   |
| <i>Contractor:</i> Ransom Boone Excavating                                       |                       |   |