



The Chicosa Creek Siphon suffered 4 blowouts in 2023 - each time cutting off 90% of Oxford Farmers Ditch Company's shareholders from water. A cure-in-place liner was used to repair the pipe before the 2024 irrigation season.



Project Description

The Oxford Farmers Ditch Company (Company) provides irrigation water to 433 farms in Pueblo and Otero Counties to grow corn, wheat, alfalfa, hay grazer, and onion, as well as supplying water for cattle grazing and municipal users - providing major economic benefits for the region. The Company's ditch crosses under the Chicosa Creek via the 1,800 ft wooden Chicosa Siphon.

Low flow conditions on the Arkansas River from 2020 to 2022 caused sediment to build up and restrict the siphon by 80%. Between April and July 2023, because of the sediment built-up, the Company's Chicosa Siphon experienced 4 blowouts that required the Company to provide costly emergency repairs - each time shutting off water to 90% of the shareholders. The Company used a cure-in-place liner to repair the siphon after the 2023 irrigation season. The liner provided a self-supported cheaper and quicker alternative to fully replacing the siphon with concrete pipe. The siphon was repaired in time for the 2024 irrigation season.

P R O J E C T D A T A		
<i>Sponsor:</i> Oxford Farmers Ditch Company	<i>County:</i> Otero	<i>Water Source:</i> Arkansas River
<i>Type of Project:</i> Ditch Rehabilitation		<i>Board Approval Date:</i> September 2023
<i>Loan Terms: (Original)</i> \$1,515,000.00 @ 1.90% <i>(Final)</i> \$1,323,979.38 @ 1.90%		
<i>Design Engineer:</i> Arkansas Groundwater and Reservoir Association		
<i>Contractor:</i> Change the World Custom Linings		