



Sanchez Reservoir Outlet Rehabilitation Project

Sanchez Ditch and Reservoir Company
Substantially Complete September 1, 2018



Figure 1 - Before construction - original outlet tower



Figure 2 - New staff gage construction



Figure 3 - After construction - new outlet controls



Figure 4 - After construction - new intake



Figure 5 - After construction - new staff gage

Project Description

The Sanchez Ditch and Reservoir Company provides irrigation water for users in Costilla County, southwest of the town of San Luis. The Company's primary storage reservoir is Sanchez Reservoir. The approximately 104,000 acre-foot reservoir was built in 1910. The reservoir's original outlet included a 135-foot tall concrete gate tower. In order to operate the dam, a tramway/gondola ran along a cable and was powered by a portable gasoline generator. Because daily operation of the gate is required during irrigation season, the reliability and safety of the gondola system was a concern of the Company. Using loan and grant funds, the Company demolished the gate tower; the installed new control gates and operators; lined the outlet conduit with shotcrete; repaired the downstream outlet structure; and, installed a new perimeter drain and weir along the right side of the outlet structure to control seepage. Additional seepage monitoring was also funded through the project.

P R O J E C T D A T A		
Sponsor: Sanchez Ditch and Reservoir Company	County: Costilla	Water Source: Ventero Creek
Type of Loan: Reservoir Rehabilitation	Board Approval Date: September 2012	
Loan Terms: 2.0% for 40 years (Original) \$1,502,476.00 (Final) \$1,502,461.69		WSRF Funding: \$914,400
Design Engineer: Smith Geotech & AECOM		
Contractor: Moltz Construction, Inc.		