

Farmers Reservoir and Irrigation Company
MILTON SPILLWAY/OUTLET REHABILITATION & BARR LAKE IMPROVEMENTS



Project Description

Farmers Reservoir and Irrigation Company operates a ditch and reservoir system extending 3,500 square miles along the Front Range corridor, from Golden to Kersey including Barr Lake and Milton Reservoir. This project included replacing the upstream outlet gate structure and a portion of the piped outlet works at Milton Reservoir and enlarging the existing spillway. In addition, Barr Lake spillway was enlarged along with the raising the perimeter dike. The construction components were completed in late 2011.

Project Data

Sponsor: Farmers Reservoir and Irrigation Company

County: Adams & Weld

Water Source: Beebe Seep Canal,
Platte Valley Canal,
O'Brian Canal

Terms of Loan: \$3,535,000 for 30 years @ 3.70%

Substantial Completion: April 1, 2013

Design Engineer: Ecological Resource Consultants, Inc

Contractor: TEZAK, Canon City, American West Construction, Denver

Project Elements: Milton Dam outlet works consist of: (2) new slide gates, new hydraulic operators, a new gate control house, SCADA system, and repair of a section of 44-inch steel-lined conduit. Milton Spillway work consists of: enlarging the spillway from 350 feet to 586 feet and lowering the spillway by 1.5 feet. Barr Spillway work consists of: increasing the current spillway from an informal low depression to a 185 feet wide and 700 feet long concrete spillway with riprap at the far downstream end.