

BIJOU IRRIGATION DISTRICT EMPIRE RESERVOIR EAST DAM PROJECT



Project Description

The District owns and operates Empire Reservoir located west of Fort Morgan in Weld and Morgan Counties. It is an off-stream reservoir impounded by four separate dams constructed in about 1905. Water is diverted from the South Platte River with storage rights of 37,709 AF and one refill right. The reservoir has been re-restricted one foot by the SEO due to wind erosion problems along the east embankment. The project consisted of repairing failed sections of parapet walls, removing trees along the upstream toe of the dam, and adding additional riprap slope stabilization. The one-foot increase in storage height resulted in 2,682 AF of recovered storage. The Project was performed in several phases with construction completed in the spring of 2011

Project Data

Sponsor: Bijou Irrigation District

County: Morgan

Water Source: South Platte River

Terms of Loan: \$4,454,100 for 30 years @ 2.25%

Substantial Completion: March 1, 2011

Design Engineer: Applegate Group, Denver, CO

Contractor: Gopher Land Leveling, Fort Morgan, CO

Project Elements: 64 trees removed, 6 mi of roadbase, 880 truckloads of bedding material, 2,300 truckloads of riprap –Lafarge, Golden