

# **TRINITY RIVER AUTHORITY** **LAKE LIVINGSTON DAM IMPROVEMENTS**



OWNER:	Trinity River Authority
GENERAL CONTRACTOR:	Boyer, Inc.
ARCHITECT/ENGINEER:	Turner, Collie & Braden, Inc.
ARCHITECT/ENGINEER:	TAMS
BOYER CONTRACT:	\$14,700,000
TYPE OF CONTRACT:	Prime Contractor
PROJECT TYPE:	Flood Control & Water Conservation Facility Rehab.
COMPLETION DATE:	January 2004

The project included refurbishment or replacement of all operational components of the dam spillway. The new concrete control room structure houses the new standby generator & switchgear to operate the floodgates in the event of power failure. Boyer Inc. means and methods included design and fabrication of an additional set of stop logs and two 40' work platforms for performing Tainter trunnion pin replacements. Complete replacement of power distribution system, a new SCADA system to control twelve Tainter gates. Tainter gate refurbishment included, trunnion pin design and replacement, new gate seals, repair and replacement of face skin wear plates and new protective coatings. Construction of in-river erosion control structure includes approximately 14,000 CY structural concrete work required diversion of the Trinity River flows with coffer dams.

