



# Bridge Design

## Bridge Design Services Available

CIP/PT Concrete Box Girder Bridges  
Steel Plate Girder Bridges  
Railroad Bridges  
Cable-Stayed Bridges  
Signature Bridges  
Design-Build &  
Alternative Procurement Expertise

## Las Vegas National Golf Course Bridge Replacement

Owner: American Golf Corporation  
Location: Clark County, Nevada

Sigma prepared bridge hydraulic analysis and design for the replacement of two pedestrian/golf cart bridge structures at the Las Vegas National Golf Course located in Las Vegas, Nevada.

The two structures were replaced with structures of similar size, span, configuration, and overall length. One of the bridges was damaged during a 2005 storm event. The second bridge was beyond its service life. The replacement bridges were 120 foot-long, 10-foot wide multi-use pedestrian and golf cart bridge structures supported on cast in drilled hole concrete piers founded below maximum anticipated scour depth.

Project Duration: June 2006 - March 2007  
Construction Cost: \$1,500,000.00

