

Hoover Dam Bypass Bridge

CO River, AZ/NV

Project Description

Since its completion in 1936, Route U.S. 93 over Hoover Dam has served as a major transportation corridor. In those 70 years, increased traffic volume combined with the large number of pedestrian visitors at the dam has necessitated a bypass route. The new Colorado River Bridge, just downstream of the dam, will carry traffic 900 feet above the river avoiding the sharp turns and narrow roadway leading to the dam.

Owner

FHWA Central Federal Lands Highway Division
(CFLHD)

Contractor

Obayashi / PSM (Joint Venture)

Designer

TYLin / HDR

Our Role

Precast Segmental Arches, Built using Falsework, then post-tensioned. Cast-in-place spandrel arches, and concrete bulb 'T' superstructure.

Total Contract Value

\$114 million

Timeline

Fall 2001 - Winter 2010

Construction Method and Specifications

- Precast segmental columns, Maximum height = 287 ft
- Cast-in-place segmental concrete arch, Main Span = 1060 ft
- Arch construction using temporary stay cable system

