

KAPALUA BRIDGE

THE LONGEST SUSPENSION BRIDGE IN HAWAII



LOCATION

Kapalua Resort, Maui, Hawaii,
USA

CONSTRUCTION TIME FRAME

March - August 2008

COMMISSIONED

2008

LENGTH OF BRIDGE

360 ft / 110 m from tower to
tower

DECK WIDTH

5 ft / 1.5 m

HEIGHT OF TOWERS

52 ft / 16 m

DECK HEIGHT ABOVE GROUND

120 ft / 36.5 m at highest point

MATERIALS

A588 Weathering Steel,
Galvanized Steel Cables,
Fiberglass Grating



STORY

In 2008, Experiential Resources (ERi) was installing a zipline tour at Kapalua Resort. The suspension bridge was originally included in the project to reduce the travel time for zipline guests. However, in the years following the Kapalua Bridge has become an attraction in its own right. Built in partnership with Sahale LLC, the materials for the bridge were transported from Seattle to Maui in four shipping containers, then relocated through pineapple fields up to the site overlooking Kaopala Gulch. The lattice column towers are comprised of 1,656 lace bars and 3,600+ fasteners, giving the bridge a timeless appeal. The main cables consist of twin pairs of 1 1/4" galvanized structural strand (four total cables), and the concrete abutments are anchored with helical piles that go down to bedrock up to 65 ft/20 m deep. Kapalua Bridge provides views of Molokai and Lanai islands, as well as the sweeping landscape of the West Maui mountains.



DESIGNER

Carroll Vogel

STRUCTURAL ENGINEER

Al Highberger, P.E.

GENERAL CONTRACTOR

Experiential Resources (ERi)

OWNER

Kapalua Resort

GEOTECHNICAL ENGINEER

Sahale LLC

SUBCONTRACTOR BUILDER

Sahale LLC