

Project Name

Paheehee Bridge Seismic Retrofit, Pepeekeo, Hawaii

Client / Owner

State of Hawaii, Department of Transportation

Year Completed

N/A

Project Description & Firm's Responsibility

A study was undertaken for the State of Hawaii Department of Transportation to analyze the seismic stability of Paheehee Bridge. It was determined that the bridge is inadequate to resist seismic forces and its structure must be stabilized. Several design alternatives were presented, and reinforcing the footings and steel frame system was the preferred alternative.

Work included the preparation of an environmental assessment/FONSI which presented potential environmental impacts and mitigation measures associated with the seismic retrofit of Paheehee Bridge on Hawaii Belt Road. The bridge spans Paheehee Stream, which flows from the slope of Mauna Kea to the Pacific Ocean.

This environmental assessment may also be submitted in support of a Special Management Area permit application.

