

Project Name

Reconstruction of Access Road and Parking Lot Coconut Island, Kaneohe, Oahu, Hawaii

Client / Owner

University of Hawaii, Manoa Campus

Year Completed

On Going

**Project Description & Firm's Responsibility**

The project site has been used as a parking lot and provides access by ferry to the Hawaii Institute of Marine Biology, which is situated on Coconut Island. A concrete access road leads from Lilipuna Road to an asphalt parking area near a concrete pier. The existing access road and parking area are aged and deteriorated. As part of the proposed development of Coconut Island, the University of Hawaii intends to replace the existing road and parking area with a new road and parking lot constructed of reinforced concrete.

Work included the preparation of construction plans, specifications, and estimate of probable construction cost for the replacement of an existing access road and parking lot and related work. Proposed improvements included a new and wider concrete paved access road with curbs, pullout, and turnaround area; a new concrete paved parking lot; area lighting along the roadway and parking lot; signing and pavement markings; and related improvements.

Reconstruction of the access road required special foundation stabilization design utilizing the soil nailing construction method. The requirement to provide two handicap stalls at a very steep parking lot site was met by designating the stalls on the pier located away from the parking lot, a solution negotiated successfully with the City and County of Honolulu Department of Planning and Permitting and the State of Hawaii Disability and Communication Access Board.

Services unique to this project included the coordination of work to obtain an easement for the pier which was not done when the pier was originally constructed; obtaining a shoreline certification; and obtaining a joint development agreement for the construction of a parking lot that extended over three subdivision lots.