

Survey and Modeling Analysis of MS₄ Highway Storm Runoff on Oahu, Hawaii

Principal Investigator:

Professor Clark C.K. Liu

Co-Investigator:

Philip Moravcik

Project Sponsor:

Steven Ege, P.E.

Need:

Highway storm runoff is an important environmental issue that is regulated by both the Hawaii Department of Health for the EPA and is subject to U.S. Clean Water Act. HDOT is required to work with the City & County of Honolulu to propose monitoring and implementation plans for Ala Wai Canal, Kawa Stream and Waimanalo Stream.

Objective:

Gain a better understanding of the impact of storm runoff and identify best management practices to reduce pollutants from Hawaii's highways. Modeling results will be used in HDOT MS₄ plan application and other related activities.

Duration:

January 1, 2008 – December 31, 2009

Cost:

\$229,171