

## Correlation of Aggregate Properties to Performance of Asphalt Pavements in Hawaii

**Principal Investigator:**

Professor Horst Brandes

**Project Sponsor:**

JoAnne Nakamura

**Need:**

Quality control tests show a weak correlation to pavement performance because standardized tests were designed based on continental rock types, which are significantly different from local basaltic rocks.

**Objective:**

Provide specific test methods that can provide accurate indicators of field performance tailored for Hawaii's aggregates and environmental conditions. Create a database that correlates aggregate characteristics to long-term performance of roads.

**Duration:**

September 2000 – September 2003; extension: September 2005

**Cost:**

\$179,027

**Update:**

- Final Report Completed