



U.S. Department
of Transportation
**Federal Highway
Administration**

Memorandum

CFLHD – Technical Services - Pavements

Subject: **HI PROJECT STP/PLH KEPO 10(3)**
Pavement Recommendations

Date: 06-25-08

From: R. Marquez
Pavement Quality Assurance

In Reply Refer To:

To: Dave Gedeon
Project Manager
S. Guzman
Lead Designer

No historical traffic data is available for construction of the parking area as designed and to be constructed under this project/contract. A single soil sample was taken at this location and tested (attached reported dated 6/22/01). The soil classifies as an A-4(0) material per AASHTO M-145 with and R-value of 46 which equates to a modules of approximately 11,550.

Based on limited information the minimum pavement design recommendation is as follows:

3-inches of Minor Asphalt Concrete Pavement (placed in two equal lifts)
6-inches of Roadway Aggregate, Method 2

The recommended structural section equates to a structural number of 2.04.

In addition the recommended binder grade should be what is used locally.

If embankment material is required to construct this parking area the material supplied should be equal to better than an A-4(0) soil.

Let me know if you have questions or need additional recommendations.

cc: Mike Voth, Pavements
Bill Hakala, Construction
Materials