

State of Hawaii Department of Transportation

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HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PAVEMENT
PREVENTIVE MAINTENANCE
GUIDELINES

JUNE 2003

Reviewed and accepted by FHWA on September 29, 2003

Note: Guidelines was revised on 02/06/04 to correct grammar and spelling.

**MATERIALS TESTING AND RESEARCH BRANCH
2530 LIKELIKE HIGHWAY
HONOLULU, HAWAII 96819**

Preventive Maintenance Treatments Used in Hawaii for Asphalt Concrete Pavements

- Crack Filling and Crack Sealing
- Slurry Seals
- Micro-Surfacing
- Hot-Mix Asphalt Overlay
- Drainage Preservation
- Ultra-Thin White Topping

Preventive Maintenance Treatments Used in Hawaii for Portland Cement Concrete (PCC) Pavements

- Joint Resealing
- Crack Sealing
- Spall Repair
- Diamond Grinding
- Full-Depth Repair
- Dowel Bar Retrofit
- Drainage Preservation

PPM Projects

Completion Year	No. of Projects	Total Miles	Cost
2006	3	5.1	\$ 3,232,751
2007	1	1.8	\$ 1,352,686
2008	4	7.9	\$13,602,690
2009	2	4.4	\$ 1,841,209
2010	4	12.1	\$ 6,186,766
2011 and out years	9	32.9	\$24,857,448

PPM Projects

Completion Year	Types of PPM Projects
2006	Slurry Seal/Crack Seal (2), Resurfacing (1)
2007	Resurfacing (1)
2008	Resurfacing (4)
2009	Slurry Seal/Crack Seal (2)
2010	Slurry Seal/Crack Seal (2) Resurfacing (2)
2011 and out years	Dowel Retrofit (1), Slurry Seal/Crack Seal (2), Resurfacing (6)

Interstate Route H-1,
Concrete Pavement
Preservation, Dowel Retrofit,
M.P. 2.4 to M.P. 3.46 and
M.P. 24.90 to M.P. 26.40
(Kaimuki and Palailai Areas)

ARR-H1-1(262)



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North Kihei Road, Pavement
Preventive Maintenance,
Honoapiilani Highway to
Piilani Highway

STP-0310(4)





Hana Highway, Pavement
Preventive Maintenance,
Hookipa Park to Kaupakalua
Road

36BC-01-10M



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Mahalo!!