

INDEX TO BEST MANAGEMENT PRACTICES FOR CONTROLLING STORMWATER RUNOFF AND RELATED IMPACTS FROM ROADS AND HIGHWAYS

The material for this Index was prepared by DOI staff from the very large amount of background information sent forward by those who volunteered to work with the U.S. Coral Reef Task Force's ad hoc Roadways Working Group, and is the work product from that group. This material includes standards and other guidance documents from the coral reef jurisdictions. Other important information comes from two reports from the National Cooperative Highway Research Program of the Transportation Research Board, an element of the National Research Council. One volume provides guidance toward implementation of best management practices (BMP) and low impact development (LID) facilities for control of stormwater runoff related to roads and highways. This *Guidelines Manual* presents a consolidated methodology for selecting and sizing stormwater BMPs (i.e. guidance on decisions for the type of BMP). This document is referenced in this Index as LID I. Guidance on the design of the BMPs referenced in LID I is provided in the *LID Design Manual* (LID II).

The material in these two volumes, coming as it does from the National Research Council, appears to constitute the best large-scale guide to roadway-related BMPs currently available to us. This information, when combined with the road-related design and construction requirements of the Task Force member States and territories, should enable project designers and permit reviewers to evaluate a broad range of options to avoid or minimize the impacts of specific road projects that may impact coral reefs.

All of the cited documents and this Index are or will shortly be available on the Task Force's web site, at <http://coralreef.gov/transportation/welcome.html>.

The references to material from the coral jurisdictions and the abbreviations used for each in the Index (in parens following the title) are: **U.S. Virgin Islands** *Field Guide Sediment and Erosion Control on Construction Sites* (VISE); Updated Management Measures for **Hawaii's Coastal Nonpoint Pollution Control Program**, June 2009 (HUMM); Construction Best Management Practices Field Manual, January 2008 (HCFM), and Storm Water Permanent Best Management Practices Manual, March 2007 (HSWM), both by the **Hawaii Department of Transportation**, Highways Division. In addition, "Article 45 - An Introduction to Better Site Design" from *Watershed Protection Techniques*. 3(2): 623 – 632 (A45) has useful information.

Although there is an enormous additional volume of material available from other States and sources, the amount of this would require an index so large as to perhaps be unusable, and certainly one that could not be compiled in the time available. It is accordingly not included. Expansion of the Index can be done in the future as needed, and as resources permit.

Some jurisdictions may use different names for the same or similar BMPS, and this may result in duplicate listings, as the Index does not seek to second-guess terminology.

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Sediment Control BMPs (See list of individual BMPs for document references)

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