Erosion and Sediment Control for Highways Workshop
Sponsored by the Hawaii Department of Transportation Highways Division

The Hawaii Department of Transportation Highways Division presents six Erosion and Sediment Control for Highways Workshops.

The Erosion and Sediment Control for Highways Workshop is designed to provide design consultants with a thorough understanding of the principles of erosion and sediment control and how they uniquely apply to State highway projects. The workshop will emphasize the selection, design, implementation and evaluation of Best Management Practices. A course outline is attached.

Registration is free, but space is limited. Seating is on a first-come-first-serve basis and by reservation only. Sessions are as follows:

All sessions are from 8:00 a.m.-3:00 p.m. (registration @ 7:30 a.m.)

KONA
Tuesday, February 13, 2007
King Kamehameha’s Kona Beach Hotel
75-5660 Palani Road
Kailua-Kona, HI 96740

HILO
Wednesday, February 14, 2007
University of Hawaii Hilo, Hoooulu Terrace
200 W. Kawili Street
Hilo, HI 96720-4081

LEEWARD OAHU
Thursday, February 15, 2007
Pearl Country Club
98-535 Kaonohi Street
Aiea, HI 96701

MAUI
Wednesday, February 28, 2007
Maui Beach Hotel
170 Kaahumanu Avenue
Kahului, HI 96732

KAUI
Thursday, March 1, 2007
Hilton Kauai Beach Resort
4331 Kauai Beach Drive
Lihue, HI 96766

HONOLULU
Friday, March 2, 2007
Honolulu Airport Hotel
3401 N. Nimitz Highway
Honolulu, HI 96819

To reserve your space, circle the session that you wish to attend and fill out the information below.
Return to Michelle Nelson via:
Fax: (808) 486-7070
Email: nelsonmi@pbworld.com

Forms must be received 10 days prior to the workshop you circled above.
For more information, please call Ms. Nelson at 566-2251 or e-mail at the address above.

Please reserve ___ space(s) for our company. (Please print names of those who will be attending)

Company/Firm: ___________________________ Phone: ___________________________
Contact Name: ___________________________ FAX: ___________________________
Mailing Address: ___________________________ E-mail: ___________________________

Any cancellations must be made one week prior to the workshop
No Shows may be billed for any costs incurred
Module 1: Introduction
a. Background
b. Statewide Storm Water Management Program (SSWMP)
c. Purpose and Expectations of the workshop
d. Agenda

Module 2: Regulatory Requirements
a. National Pollutant Discharge Elimination System (NPDES) permit
b. Hawaii State Department of Health’s water quality standards pertaining to the Islands of Oahu, Hawaii, Maui, and Kauai
c. Special requirements for all projects that discharge, directly or indirectly, into Class I or Class AA waters
d. Current City and County of Honolulu (CCH) requirements – Criteria based on project category 1 through 5
e. Current Hawaii DOT requirements – slope criteria and checklist
f. Revised Hawaii DOT requirements

Module 3: Erosion and Sediment Control (ESC) Process
a. Sediment Impacts
b. Factors that influence soil erosion
c. Basic principles of soil erosion and sediment control

Module 4: Overview and Development of ESC Plan
a. Development of erosion control plans
b. Requirements of erosion control plan:
   c. Planning procedures
d. Soil erosion and sediment control plan content
e. Sources of assistance
f. Available information
g. Standards and specifications

Module 5: Erosion Control and Stabilization Methods
a. Plastic/geotextile covering, erosion control matting
b. Dust control
c. Vegetative stabilization: Top soils, seeding and mulching
d. Stabilized construction entrance
e. Gradient terraces or benches
f. Earth dikes
g. Tree protection
h. Slope length shortening
i. Track walking
j. Run-on diversion

Module 6: Sediment Control and Containment Methods
a. Storm drain inlet protection
b. Outfall protection
c. Filter berm/compost filter berm
d. Grassed swale
e. Silt fence or filter fabric fence
f. Check dams
g. Sediment trap
h. Sediment basin/modified risers and skimmers
i. Level spreader
j. Containment dike
k. Interceptor dikes and swales
l. Pipe slope drain
m. Vegetated filter strips and buffers
n. Rip-rap inflow and outlet protection

Module 7: Design/Construction Issues and Considerations
a. Phasing of site grading
b. Construction sequence
c. Water handling
d. Proper installation and Maintenance

Module 8: Inspection and Monitoring Requirements
a. Inspection checklist
b. Correction
c. Non-Compliance
d. Evaluation of erosion and sediment control effectiveness

Module 9: Case Studies or Exercise
a. Soil loss calculation
b. Design calculations
c. BMP sizing calculation