

# **Hazardous Bridge Coatings:**

## ***Design and Management of Maintenance and Removal Operations***

*Workshop sponsored by the*

Hawaii Local Technical Assistance Program  
in cooperation with the  
Hawaii State Department of Transportation  
University of Hawaii's Department of Civil Engineering  
and the Federal Highway Administration

When: October 12 - 15, 1999

Where: East-West Center, Jefferson Hall, Koi Room 1777 East-West Road

Time: 8:00 a.m. - 4:30 p.m.

Cost: FREE

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Deadline to register is Friday, October 1, 1999

Class size is limited to 28 participants

The focus of this training course is on the maintenance and/or removal of bridge paint systems that contain lead or other potentially toxic materials. In an effort to ensure that these operations are cost effective and performed in compliance with applicable regulations, the course offers a step-by-step method of the design, specification, and management of bridge painting projects.

1. Recognize the health hazards and legal risks associated with lead-containing paint, and the impacts on bridge painting programs,
2. Use coating assessment surveys to maximize the service life of individual coating systems and improve the cost-effectiveness of an overall bridge painting program,
3. Select appropriate combinations of removal methods and containment systems, based upon the chosen painting strategy and the relative risks of the paint disturbance operation to workers, the public and the environment,
4. Implement a monitoring program that adequately demonstrates that associated risks have been controlled,
5. Establish performance standards to protect workers, reduce long-term liabilities associated with hazardous wastes, and document successful clearance of project sites,
6. Discuss the process undertaken to develop construction cost estimates of installed and life-cycle costs in order to evaluate alternative maintenance painting strategies,
7. Prepare clear, well organized, performance-based, project specific specifications which establish objective goals for all areas of contract performance but leave the means and methods of construction to the contractor, and
8. Use available tools to help pre-qualify contractors, conduct effective pre-bid meetings, review contractor submittals, and enforce project specifications.

The classroom presentation includes a combination of lectures and discussions, demonstrations of key methods and procedures, and extensive workshops comprising nearly half of the class time. In addition, each participant receives a user-friendly field guide containing detailed project design checklist, a model/template specification, suggested contractor pre-qualification package and pre-bid meeting agenda, submittal review checklist, as well as an environmental, health, and safety checklist to assess project specific performance.

**TARGET AUDIENCE:** Highway and transportation agency employees and private industry personnel who are responsible for the development of contract specifications and procurement requirements for both the removal and/or maintenance of bridge paint systems. Training applicable to managers who are responsible for procurement approval and for other personnel involved in such operations.