

Underwater Evaluation and Repair of Bridge Components Demonstration Project 98

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: June 9-10, 1999

Time: 8:00 AM - 4:45 PM

Where: Hawaii DOT's Oahu District Conference Room 727 Kakoi Street

Cost: **FREE!!!**

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Deadline to Register is June 1, 1999

This course has been designed to provide guidance in conducting condition surveys of underwater bridge components using "state-of-the-art" technologies. It focuses on those structures which have previously been identified as in need of some kind of rehabilitation. It addresses training, emergency services, and special investigations and assistance as they relate to the underwater evaluation and repair of bridge components. DP-98 is a follow up to "Underwater Inspection of Bridges" (DP-80) a very popular and successful project which was presented in all the states in the late 1980's and early 1990's. DP-80 showcased the latest instrumentation and equipment for underwater bridge inspection.

Along with DP-97 "Scour Monitoring and Instrumentation", this project was developed as a response to the urgent call to improve the overall quality of bridge inspection, maintenance, repair and rehabilitation in the country. Building on the foundation established in DP-80, DP-98 will introduce the highway community to state-of-practice evaluation and repair procedures.

Schedule

Day 1:

8:00 Registration
8:15 Course Introduction
8:45 Mechanisms of Deterioration
9:45 Break
10:00 Condition Surveys
11:00 Specialized Test Equipment
11:30 Lunch
12:30 Specialized Test Equipment Continued
1:30 Effects of measured Deterioration on Structures
2:30 Break
2:45 Underwater Repairs
3:30 Equipment for Underwater Repairs
4:15 Materials Considerations (through Mortars)
4:30 Questions, Discussion and Adjournment

Day 2:

8:30 Material Considerations Continued (starting with Structural Plastics)
9:15 Pier Repairs
10:00 Break
10:15 Pier Repairs Continued
11:00 Pile Repairs
11:30 Lunch
12:30 Pile Repairs Continued
2:00 Scour Countermeasures
2:30 Break
2:45 Miscellaneous Structures Repair Techniques
3:15 Underwater Repair Contracting
3:45 Questions, Discussion and Summary