

# Federal-aid Highways 101

## OBJECTIVES:

The objective of this course is to provide an overview of the key elements of the Federal-aid Highway Program. It is intended to provide a complete overview of the entire federal-aid highway development process and is appropriate for all levels within the DOT.

## DESCRIPTION:

This course will focus on:

- General requirements and laws that govern the Federal-aid highway program;
- Processes and procedures followed in the entire project development process including: financing, planning, environment, right of way, highway & bridge design, construction, operations/ITS & maintenance, safety, technology; and,
- Identifying flexibility inherent in the Federal-aid program.

## AGENDA:

### Day 1:

8:00 Registration  
8:15 Introduction of Course  
8:30 Background of Federal-Aid – Module 10  
9:10 Break  
9:20 Background (continued)  
9:45 Networking Break  
10:00 Financing Federal-aid Highways – Module 20  
11:45 Lunch  
1:00 Planning  
2:15 Break  
2:45 Planning Exercise  
3:00 Environment – Module 40  
    A) Transportation Decision  
    B) Documentation  
4:30 Environment Exercise  
4:45 Adjourn

### Day 2:

8:00 Recap of Day 1  
8:15 Right-of-Way – Module 50  
9:00 Break  
9:15 Team Exercise  
9:45 Networking Break  
10:05 Highway Design – Module 60  
11:00 Bridge Design – Module 60  
11:45 Design Exercise & Discussions  
12:00 Lunch  
1:00 Construction – Module 70  
2:30 Team Exercise  
2:45 Break  
3:00 Technology – Module 80  
3:30 Operations – Module 90  
4:15 Course Evaluations/Closing Remarks  
4:30 Adjourn

## TARGET AUDIENCE:

This course (also NHI #231022) is especially tailored for State DOTs. The course provides participants with an overview of the key elements of the Federal-Aid Highway Program.

## INSTRUCTOR:

**Charles J. Nemmers, P.E.**, a certified NHI Instructor, teaches the course. He brings a wealth of knowledge and experience to the course, gained from his 32 years with the FHWA where he was the Division Administrator in Delaware, Georgia and New Jersey; and then served as the FHWA's Director of the Office of Engineering R&D in Washington, D.C. He is also currently a member of the Civil and Environmental Engineering faculty at the University of Missouri-Columbia.

### Registration Procedure

- 1) Please contact Gail Ikeda at 956-9006, 956-8851 (FAX) or [gail@eng.hawaii.edu](mailto:gail@eng.hawaii.edu) by Friday, **May 2, 2002**.
- 2) Attendance is limited, and preference is given to local government employees.
- 3) Private company participation is on a space available basis at a fee of \$350.00. Make check payable to "Research Corporation of the University of Hawaii" and mail to the address below. We will fax you a letter indicating whether a seat has been reserved for you by May 5, 2002.

### Cancellations

Please contact us if you must cancel your registration or if someone will be substituting for you. Refunds will be made if notice of cancellations is received at least 3 workdays prior to the workshop date.

### Parking

Parking for the East West Center is \$4/day. If you would like a parking pass please contact us by **May 2, 2002**. Make checks payable to **RCUH** and mail to:

Hawaii LTAP  
University of Hawaii  
Dept of Civil Engineering  
2540 Dole St, Holmes 383  
Honolulu, HI 96822  
Attn: Gail Ikeda

# Federal-aid Highways 101

**May 19-20, 2003**

And

**May 22-23, 2003**

(Two separate sessions)

University of Hawaii  
East West Center, Jefferson Hall,  
Pacific Room

8:00am – 4:30pm

Workshop sponsored by the  
**Hawaii Local Technical  
Assistance Program (LTAP)**  
in cooperation with the  
*Hawaii State Department of  
Transportation,  
University of Hawaii's Department of  
Civil & Environmental Engineering and  
the Federal Highway Administration*

### Hawaii Local Technical Assistance Program

University of Hawaii  
Department of Civil and Environmental Engineering  
2540 Dole Street, Holmes Hall #383  
Honolulu, Hawaii 96822

