Federal-aid Highways -101
for
Hawaii DOT

Developed and Presented by
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Agenda & Class Schedule

DAY 1

8:00 Registration

8:15 Introduction of Course
- Administrative details
- Introductions of Participants
- Objectives of Course
- Course & Manual Overview

8:30 Background of Federal-Aid – Module 10
- History
- Federal-Laws & Regulations
- Legislative Process
- Federal-aid Programs
  (Civil Rights, Safety…)

9:10 Stretch Break

9:20 Background (continued)
- FHWA’s Organization relationship with Other Agencies
- State – FHWA relationship

9:45 Networking Break
10:00 Financing Federal-aid Highways – Module 20
- Trust Fund
- Authorization / Appropriation
- Federal-aid Financing Procedures
- Matching Ratio / lapse / transferability
- Innovative Financing
- NHI Courses regarding Financing

11:45 Lunch

1:00 Planning – Module 30
- Planning Process
- Statewide Planning
- Metropolitan Planning
- STIPS-TIPS-Financial viability
- Functional Classification
- Highway Performance Monitoring System (HPMS)
- Asset Management / GASB #34

2:15 Cookie Exercise and Break

2:45 Planning exercise

3:00 Environment – Module 40
- Background
  - National Environmental Policy Act (NEPA)
  - FHWA Policy & Requirements
- It’s all about process
- Transportation Project Development
  A) Transportation Decision
   - Purpose and need
   - Alternates
   - Impacts and mitigation
   - Public involvement
   - Interagency coordination
  B) Documentation
   - Integrated Decision Making
   - CE’s / EA’s / EIS’s
   - Processing Environmental Findings
   - Section 4(f) Resources
   - Other Federal laws & acts

4:30 Environment Exercise

4:45 Adjourn
DAY 2

8:00 Recap of Day 1

8:15 Right-of-Way - Module 50
- Project Development
- Right of way Availability - Certification
- Uniform Act
- Property Management
- Utility Accommodation

9:00 Stretch Break

9:15 Team Exercise – Finance / Planning / Environment / Right-of-Way
Team Reports & Discussion

9:45 Networking Break

10:05 Highway Design – Module 60
- Design Process including consultant selection
- Project Scope
- Environmental Considerations & Commitments
- Context Sensitive Design / Solutions
- Highway Capacity Manual
- Design Standards
- Safety

11:00 Bridge Design – Module 60
- Bridges Standards & Bridge Formula
- National Bridge Inspection Standards
- Highway Bridge Replacement & Rehabilitation Program
- New Technology

11:45 Design Exercise & Discussions

Noon Lunch

1:00 Construction – Module 70
- Contract Administration
- Pre & Post award procedures
- Technical Assistance on projects/problems
- Safety – Work Zone Traffic Control
- Environmental Commitments
2:30 Team Exercise – Partnership State / FHWA / Industry
Diverse Project Team will identify ways (possible avenues)
to assist the state and industry in re-building a critical stretch
of freeway

2:45 Break

3:00 Technology – Module 80
• Research
• Technology Transfer
• National Highway Institute (NHI)

3:30 Operations – Module 90
• Intelligent Transportation System (ITS)
• How ITS can help Operations
• Funding
• Traffic Engineering
• Maintenance

4:15 Course Evaluations
Closing Remarks

4:30 Adjourn