

**Bike Plan Hawaii—Update**  
**Thursday, November 8, 2001**  
**Wailuku Community Center, Wailuku, Maui**  
**6:00 – 8:00 p.m.**

[illegible]

Kaneohe Community and Senior Center  
6:30 – 8:30 pm

To be used for our official mailing list only

[illegible]

Aina Haina Elementary School, Cafetorium  
6:30 – 8:30 pm

To be used for our official mailing list only

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Attendance Sheet  
**Public Information Meeting and Workshop**  
 Bike Plan Hawaii—Update  
 Thursday, November 15, 2001  
 Mililani Mauka Elementary School, Cafetorium  
**6:30 – 8:30 pm**

**To be used for our official mailing list only**

Name	Affiliation	Mailing Address	E-mail Address
Peter Lucas	Mililani Middle School		
Mark Mila	Student		
Scott Kobayashi	Student		
Mitchell Caputo	Student		
Stephen Albano	"		
CHANTELLE WAKUMURA	student		
MARTIN KIM	—		
Jaime Kim	student		
Jamie Ochiro	student		
Emmalia Dacalio-Spencer	Student		
Pamela Yang			
Chris Sayers	DTS		
NEIL TAKEDA	Resident		
Colby Takeda	Resident		
Quinn Takeda	student		
James Burke	cycl <del>e</del> enthusiast		
David Bremer	resident-cyclist		
Jehni Wneda	Student		
Brian Prentice	Student		
Juneble Nakata	NB# 35		





# Bike Plan Hawaii

State of Hawaii Department of Transportation  
Federal Highway Administration

## Public Information Meeting and Workshop

Wednesday, November 14, 2001  
Aina Haina Elementary School, Cafetorium, East Oahu  
6:30 pm

### Agenda

1. Introduction 6:30-6:40 pm  
Vince Llorin, State DOT, Project Manager
2. Project Description and Background Information 6:40-7:00 pm  
Glenn Kimura and Nancy Nishikawa, Kimura International, Inc.  
Charles Denney, Sprinkle Consulting, Inc.
3. Questions and Comments 7:00-7:20 pm
  - *What do you want out of the bike plan?*
4. Review 1994 Bikeway Proposals 7:20-7:30 pm
5. Mapping Exercise in Small Groups 7:30-8:00 pm  
*Break into groups by jurisdiction. Group tasks:*
  - *Review proposals from the 1994 Plan and determine whether they are still valid*
  - *Identify additional connections within (and between) jurisdictions*
  - *Identify top three priorities for bicycle facilities*
6. Group Reports and Summarization 8:00-8:25 pm  
*Spokesperson for each group will briefly report the results of their discussions—5 minutes per group*
7. Closing Remarks 8:25-8:30 pm  
Vince Llorin

# Bike Plan Hawaii

## Workshop Participant Survey

1. How many bicycles are at your home address? \_\_\_\_\_
2. Where is your residence located (name of town or subdivision) \_\_\_\_\_
3. How often do you and other members of your household ride bikes?

	Almost everyday	Several days a week	Several days a month	Several days a year	Rarely
Self	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Household member #2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Household member #3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Household member #4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. For your household as a whole, how important is bicycling for the following types of trips?

	Very Important	Somewhat Important	Not Important
Commuting (to work)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Recreation/fitness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Errands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
School	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. What do you like about bicycling in your community?  
\_\_\_\_\_  
\_\_\_\_\_
6. What problems do bicyclists face in your community?  
\_\_\_\_\_  
\_\_\_\_\_
7. Where would you like to see improved bicycle facilities?  
From \_\_\_\_\_ To \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
8. Other concerns regarding engineering, education, enforcement, economy and/or encouragement  
\_\_\_\_\_
9. How did you hear about this workshop? \_\_\_\_\_

Thank you for completing this questionnaire  
Kimura International, Inc., 1600 Kapiolani Boulevard, Suite 1610, Honolulu, HI 96814

# Bike Plan Hawaii PLAN UPDATE

- A statewide bike master plan was completed in 1994
- We're here to update this plan



*Bike Plan  
Hawaii*   
*A State of Hawaii Master Plan  
(Summary)*

April 1994  
Highways Division  
Department of Transportation  
State of Hawaii



## What is... Bike Plan Hawaii?

- A blueprint for improving the bicycling environment across the state
  - Pictures (maps) and statements (policies) of desired outcomes
  - Strategic program for achieving goals and objectives

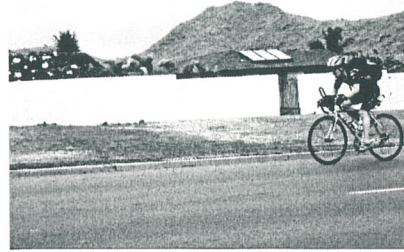


## What is... Bike Plan Hawaii?

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### ■ Comprehensive... the 5 "E"s

- Engineering
- Education
- Enforcement
- Economic
- Encouragement



## What is... Bike Plan Hawaii?

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### ■ Engineering

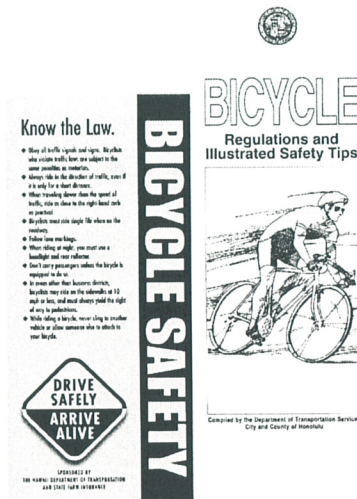
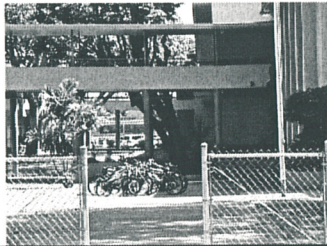
- Facilities planning
- Network of bikeways
- Safe, cost-effective design
- Maintenance



## What is... Bike Plan Hawaii?

### ■ Education

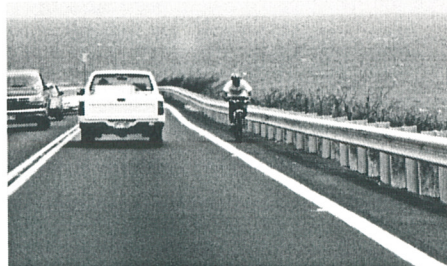
- Rules of the road
- BikeEd in the schools
- Bike rodeos and clinics



## What is... Bike Plan Hawaii?

### ■ Enforcement

- Enforceability from the police's perspective
- Need to re-examine traffic code?





## What is... Bike Plan Hawaii?

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### ■ Economy

- Saving dollars by bicycling
- Bringing new \$ thru eco-tourism and bike events
- Energy savings



## What is... Bike Plan Hawaii?

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### ■ Encouragement

- Promoting bike friendly attitudes
- Making bicycles an important part of healthy cities



## What is... Bike Plan Hawaii?

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- Flexible

- Statewide policies
- Address varying issues and opportunities for each island



## Why is it important?

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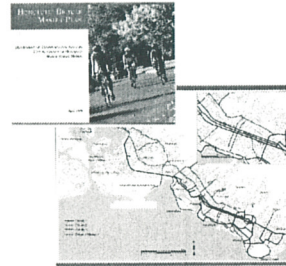
- Part of the State's transportation plan
- Necessary to obtain federal transportation funds
- Consistent with County plans
- Integrate land use development and transportation systems



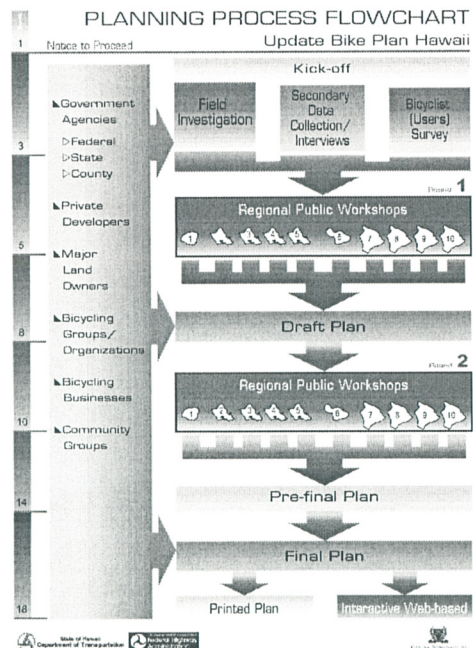


# What does the Bike Plan cover?

- State and county facilities on six islands
- On Oahu, Bike Plan Hawaii will fold in recommendations from the Honolulu Bicycle Master Plan
- Development proposals over the next 20 years
- Bicycle facilities of all types, but not mountain bike trails



## Bike Plan Hawaii THE PLANNING PROCESS



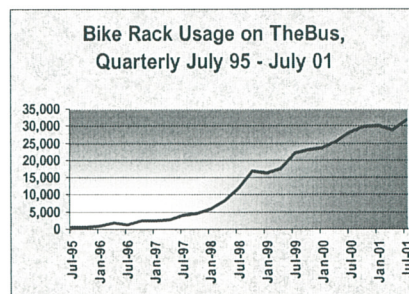
## RESULTS OF THE 1994 PLAN

- Permanent liaisons
  - State bicycle coordinator
  - City and County of Honolulu bicycle coordinator
- Mayor's advisory committees on Oahu and the Big Island
- November designated bicycle safety month by State DOT
- Bicycling maps published for Maui and Oahu



## RESULTS OF THE 1994 PLAN

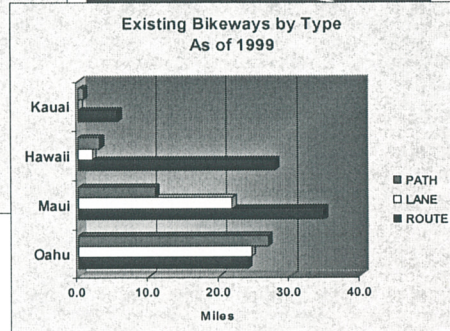
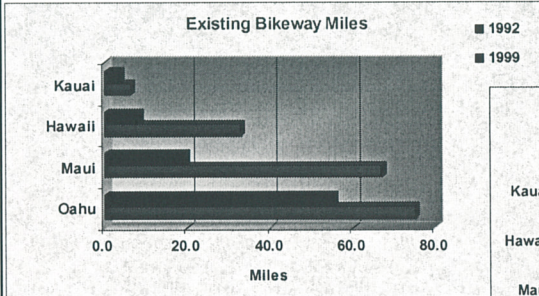
- Improved integration between bikes and buses
  - Bike racks on all Honolulu buses
  - Big Island buses can accommodate bikes



# Bicycling in Hawaii Today

## ■ Miles of bike facilities

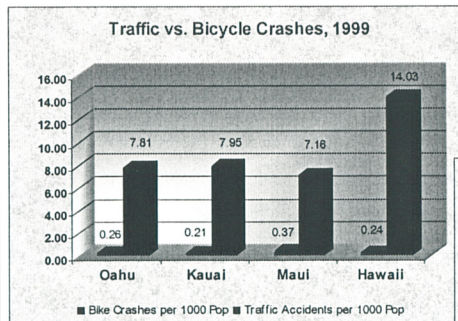
Source: State of Hawaii, DOT, Highways



# Bicycling in Hawaii Today

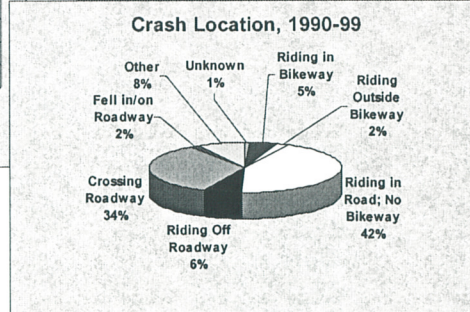
## ■ Accident data

Source: State DOT, Highways Division



### 1999 Bicycle Crashes

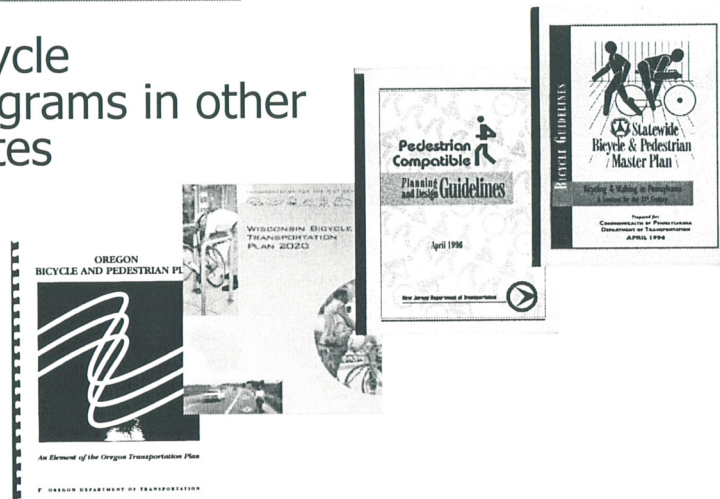
- Honolulu County 228
- Kauai County 12
- Maui County 47
- Hawaii County 36





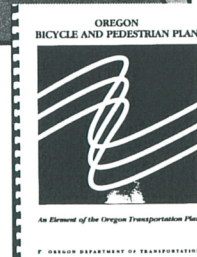
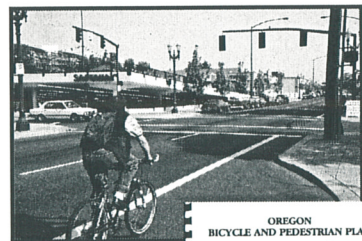
## Efforts in Other States

### Bicycle programs in other states



## Oregon

- Passed 1<sup>st</sup> Bike Bill in 1971
- First comprehensive Bike/Ped Plan in 1995
- 4100+ miles of state roadways have shoulders or bike lanes
- 60% of state urban roads have sidewalks
- Incorporating bike/ped standards into Roadway Design Manual



# Pennsylvania

- 1000 miles of rail-trails
- Statewide Plan completed in 1996
- Bike and Pedestrian Design Manuals
- State provides local planning assistance, training sessions
- Bicycle PA Touring Route Network
- Bike/Ped Checklist for roadway design projects
- 12 District Bike/Ped Coordinators, two staff in central office
- Few bike lane miles



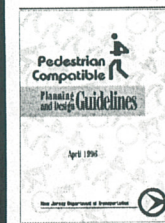
# North Carolina

- Bicycle program began in 1974; pedestrian added in 1992
- Initially focused on education and touring routes
- Bicycling and Walking plan adopted in 1996
- Focus on trails and 14-foot outside lanes
- No bike lanes, very few shoulders



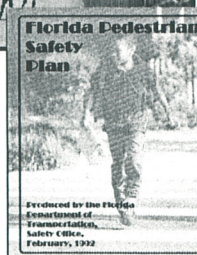
## New Jersey

- First Bicycle and Pedestrian Plan adopted in 1996
- Governor Whitman—2000 miles of bicycle lanes by 2008
- Bicycle Program has 5 staff, elevated status
- "Rack 'n' Roll" (racks on 262 buses)
- New emphasis on project scoping



## Florida

- First Plan in 1980, hired bike coordinator
- Bicycle program has 20+ staff members
- 200+ miles of urban bike lanes, 6400 miles of paved shoulders, 2000 miles of sidewalks
- Florida GreenBook has 2 chapters on bike/ped design
- Now establishing multi-modal level-of-service measures



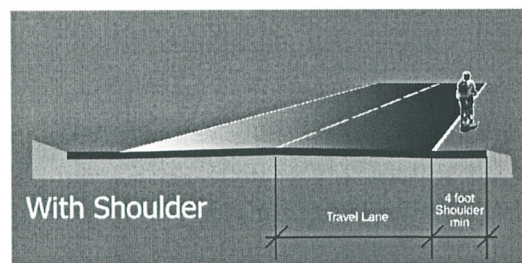
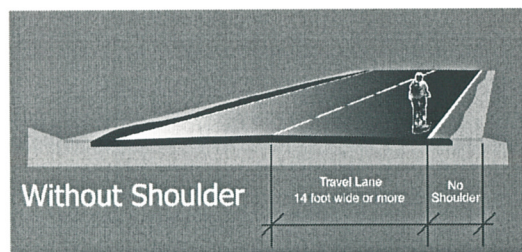
# What's involved in planning bikeways?

## ■ Type of Bike Facilities

- Shared roadways
- Signed shared roadways (bike routes)
- Bike lanes
- Bike paths/mixed-use paths

## Shared Roadways

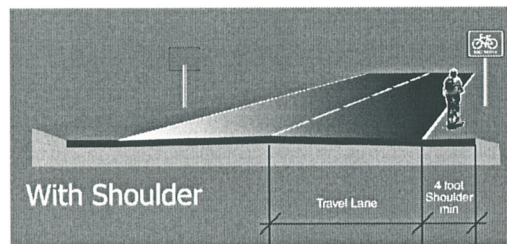
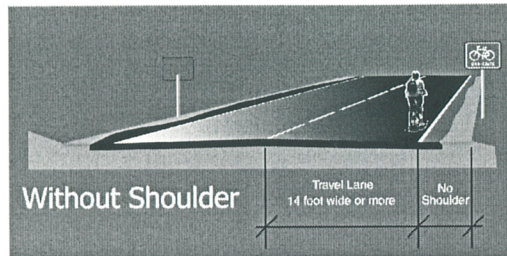
- Many existing streets can accommodate bikes "as is"
- Need adequate room for comfortable bike use
- Most common form of bike facility
- Example: minor residential streets
- In high traffic areas, safety enhanced with 4-foot paved shoulder & 6-inch stripe





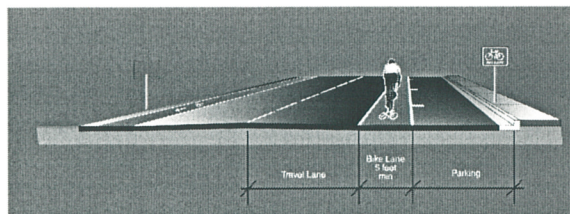
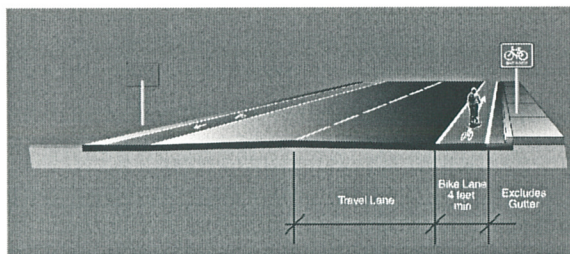
## Signed Shared Roadways (Bike Routes)

- Designated by bike route signs
- Provide continuity to other bicycle facilities
- Indicate preferred routes through high travel corridors
- Advise motorists that bicyclists are present



## Bike Lanes

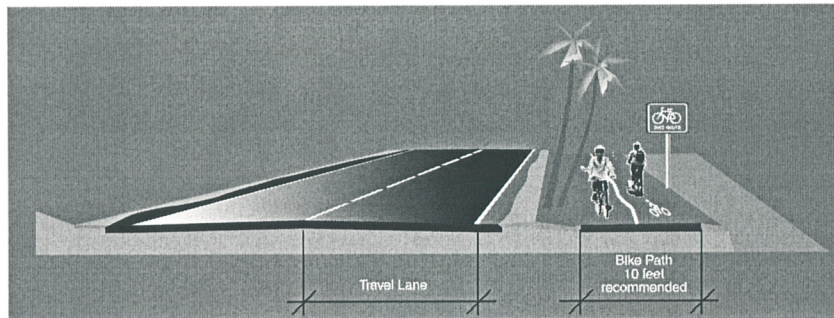
- Designated by pavement markings and signs
- Typically 4' wide; 5' with on-street parking
- Lanes in same direction as adjacent vehicular traffic
- Show road areas of preferential use by bikers and motorists
- Increase predictability of movements by each





# Shared Use Paths

- Separate from roadway, path functions as independent facility
- Two-way use allowed
- Typically at least 10 feet wide
- Increase width to reduce conflict among different users
- Rely on sidewalks for bikers only in limited situations
- Supplement, not replace, on-road-bicycle facilities



## What's involved in planning bikeways?

### ■ Routing considerations

- Traffic generators
- Directness
- Road conditions
- Speed and volume of traffic
- Skill of bike riders
- Purpose of trips - commuting, recreation, exercise
- Security and personal safety
- Aesthetics
- Cost



## What's involved in planning bikeways?

### ■ Off-road routing considerations for shared use paths

- Stream corridors
- Utility easements
- Former railroad right-of-ways
- Old cane haul roads



## Workshop --- Things for you to do

### ■ Mapping Exercise

- Validate proposed routes from 1994 Plan
- Suggest new routes
- Identify hazardous areas
- Choose three most important routes

### ■ Questionnaire

Let's take a break...



## Bike Plan Hawaii



State of Hawaii  
Department of Transportation

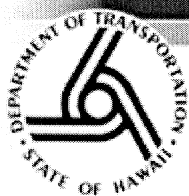


Federal Highway Administration

In cooperation with  
City and County of Honolulu  
County of Kauai  
County of Maui  
County of Hawaii



<b>Summary of Workshop 1 Publicity (10/24/01)</b>				
	<b>Big Island</b>	<b>Kauai</b>	<b>Maui</b>	<b>Oahu</b>
<b>Invitation Letter w/ Flyer(s)</b>				
Local contacts (county agencies, district engineers, bike advocates)	12	11	9	
Neighborhood boards/ Community associations			7	16
Military installations				3
Bike shops	11	4	10	11
Business groups	1	4	1	(OMPO list)
<b>Flyers--Mailed</b>				OMPO CAC mailing list (64)
<b>Flyers--Distributed</b>			Happy Valley businesses	Century Bike Ride
<b>Presentations</b>	Council--PW and IG Committee (public access TV)		Council--PW and Transportation Committee (public access TV)	OMPO CAC MACOB
<b>Electronic newsletters</b>	Dep. Mayor Peter Young PATH			HBL--400+ households
<b>Bike month full-page ad (DOT)</b>				
<b>Press release distribution (DOT)</b>				
Print media outlets	4	3	5	11
Radio/TV	3	3	1	18
<b>Press release distribution (KI)</b>	1			1
<b>Webpage</b>				
<a href="http://www.state.hi.us/dot/highways/bike">www.state.hi.us/dot/highways/bike</a>				



# Public Affairs

## Department of Transportation

*Aloha!*

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### 2001 Press Release

## NEWS RELEASE

Department of Transportation

Contact: Marilyn Kali, Public Information Officer  
Phone: (808) 587-2160  
Fax: (808) 587-2313

October 29, 2001

01-242

The state Department of Transportation will hold a series of community workshops on Oahu as part of a planning effort to update the statewide bicycle master plan.

The workshop schedule is as follows:

- Thursday, November 1, Ihilani Marriott, Conference Room, 7 p.m.
- Tuesday, November 13, Kaneohe Community and Senior Center, 6:30 p.m.
- Wednesday, November 14, Aina Haina Elementary School Cafeteria, 6:30 p.m.
- Thursday, November 15, Mililani Mauka Elementary School Cafeteria, 6:30 p.m.

All interested persons are invited to participate. These two-hour workshops will provide the public with information about the scope of the plan, its purpose and goals, and conditions that affect bicyclists. Participants will help to identify potential new bikeways, areas that are hazardous for bike riders and other bicycling issues.

Directions to workshop locations and additional information can be found at: or call Kimura International, Inc. at (808) 944-8848.

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# Public Affairs

## Department of Transportation

*Aloha!*

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### NEWS RELEASE

Department of Transportation

Contact: Marilyn Kali, Public Information Officer  
Phone: (808) 587-2160  
Fax: (808) 587-2313

October 29, 2001

01-243

The state Department of Transportation will hold a series of community workshops on the island of Hawaii as part of a planning effort to update the statewide bicycle master plan.

The workshop schedule is as follows:

- Saturday, November 3, UH Komohana Agriculture Complex, Conference Room, Hilo, 9 a.m.
- Saturday, November 3, Kalani Honua Rainbow Room, Puna, 2 p.m.
- Monday, November 5, Parker Ranch Town Hall, Waimea, 6 p.m.
- Tuesday, November 6, King Kamehameha Hotel, Conference Room, Kailua-Kona, 6 p.m.

All interested persons are invited to participate. These two-hour workshops will provide the public with information about the scope of the plan, its purpose and goals, and conditions that affect bicyclists. Participants will help to identify potential new bikeways, areas that are hazardous for bike riders and other bicycling issues.

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