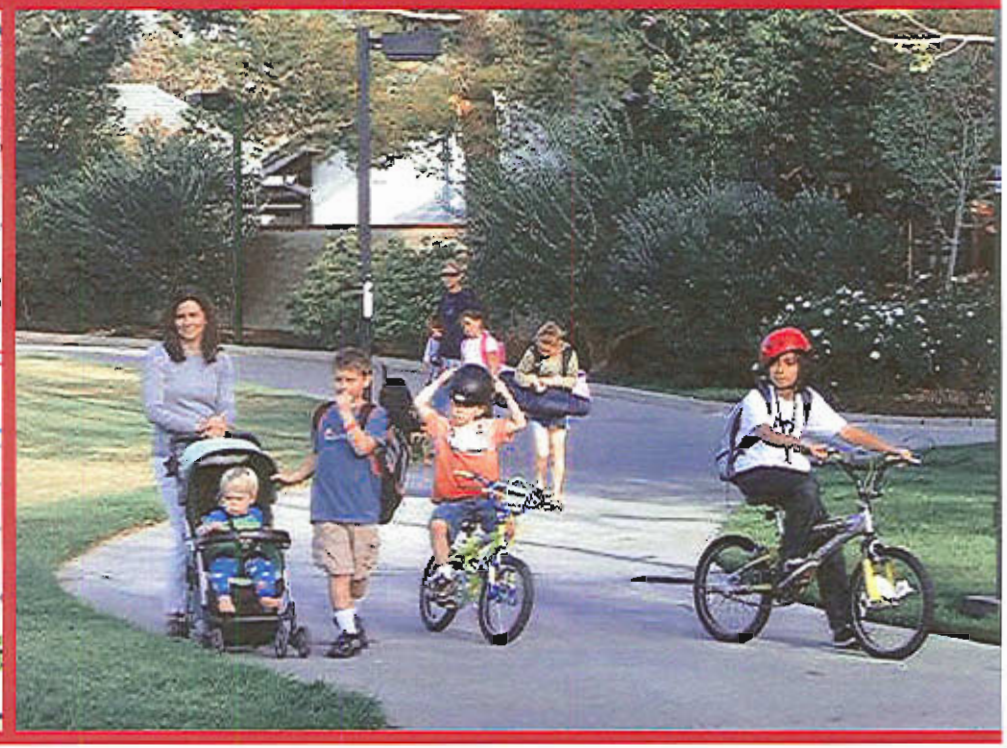
City of Costa Mesa
Bicycle Map and Safety Guide
Public Workshop



July 14, 2011

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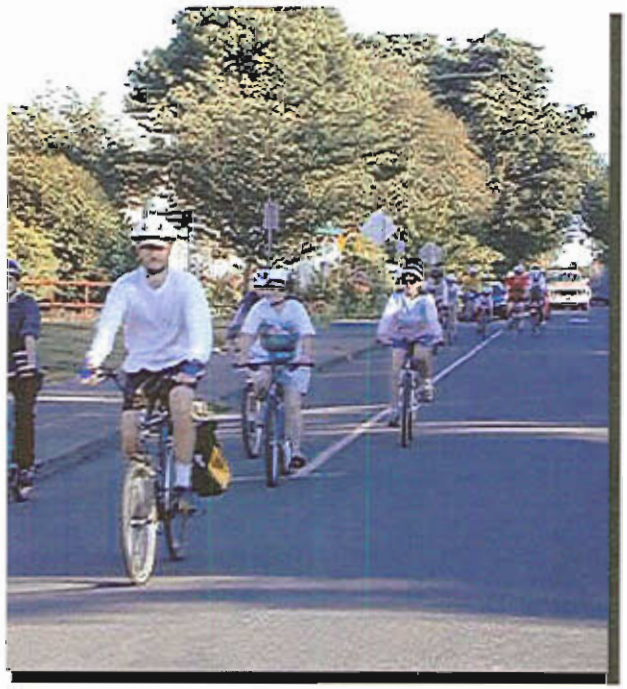
Project Goals

- Promote bicycling through the development of a bicycle map
- Educate riders on safe bicycling habits



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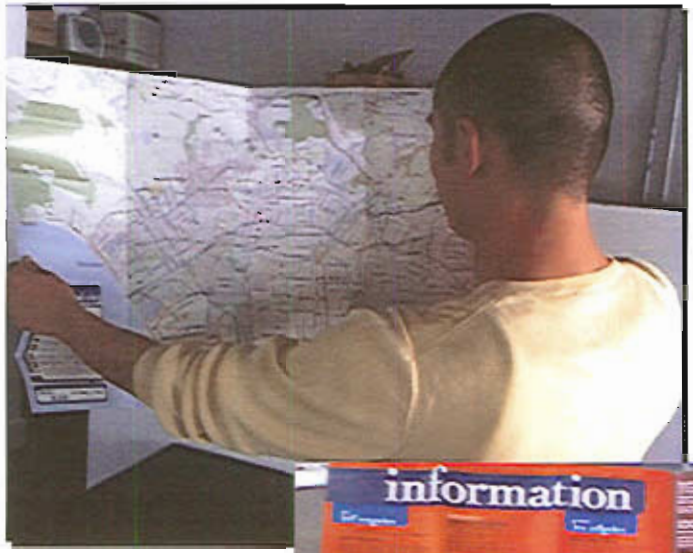
Workshop Objective

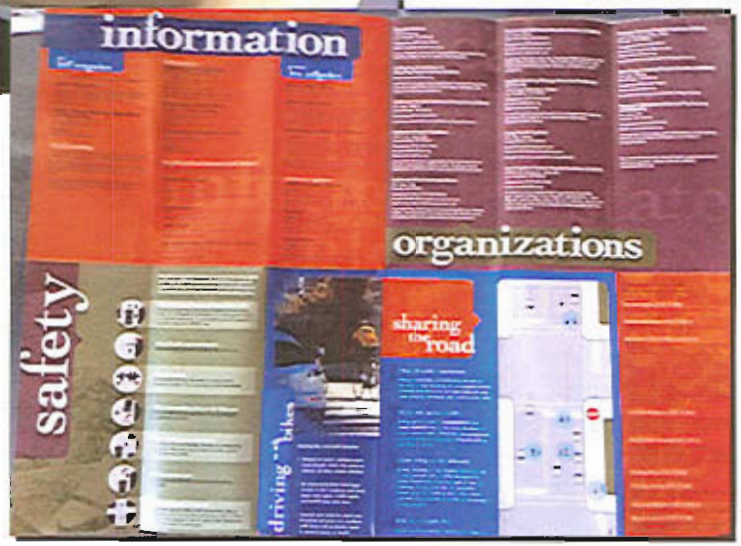
BICYCLE MAP

- Destinations & Points of Interest
- Regional bicycle connections
- End-of-trip facilities
- Bicycle shops
- Transit connections

SAFETY GUIDE

- Bicycle user and safety needs
- Relevant topics for your community





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Types of Riders

Commuters

- Allow for sufficient time to arrive safely
- Wear appropriate attire

Recreational

- Be cautious of other users on multi-use paths
- Obey signage
- Bring water and food for distance rides

Children

- Safest route / Safe Routes to School
- Sufficient food and water
- Bike Education / age appropriate

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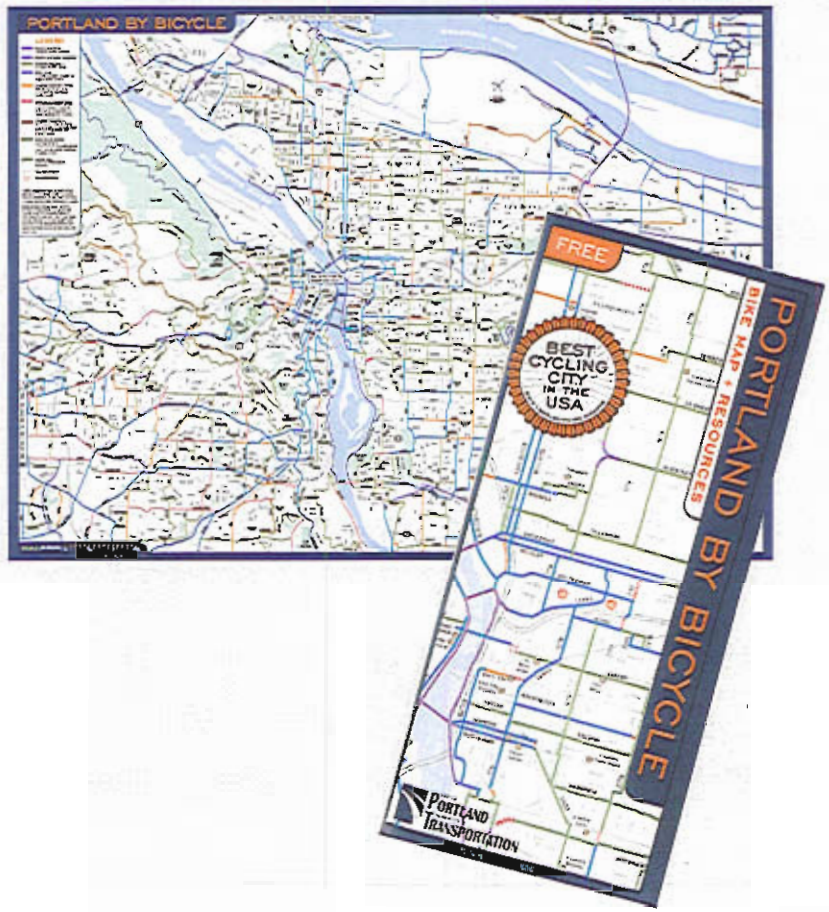
Map Sizes

Flat	20”x27”
Folded	4”x9”

Example: City of Portland, Oregon Bicycle Map



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Bicycle Map

- Bicycle Facilities
- High traffic Roads
- Destinations & Points of Interest

Shared-Use Path

Bike Lane

Signed Bike Route

High-Traffic Road — Use Caution

Park

Waterway

City Boundary

Points of Interest

School

Library

Community Center

Bicycle Shop

Shopping Center

Skate Park

Museum

Community Garden

Police

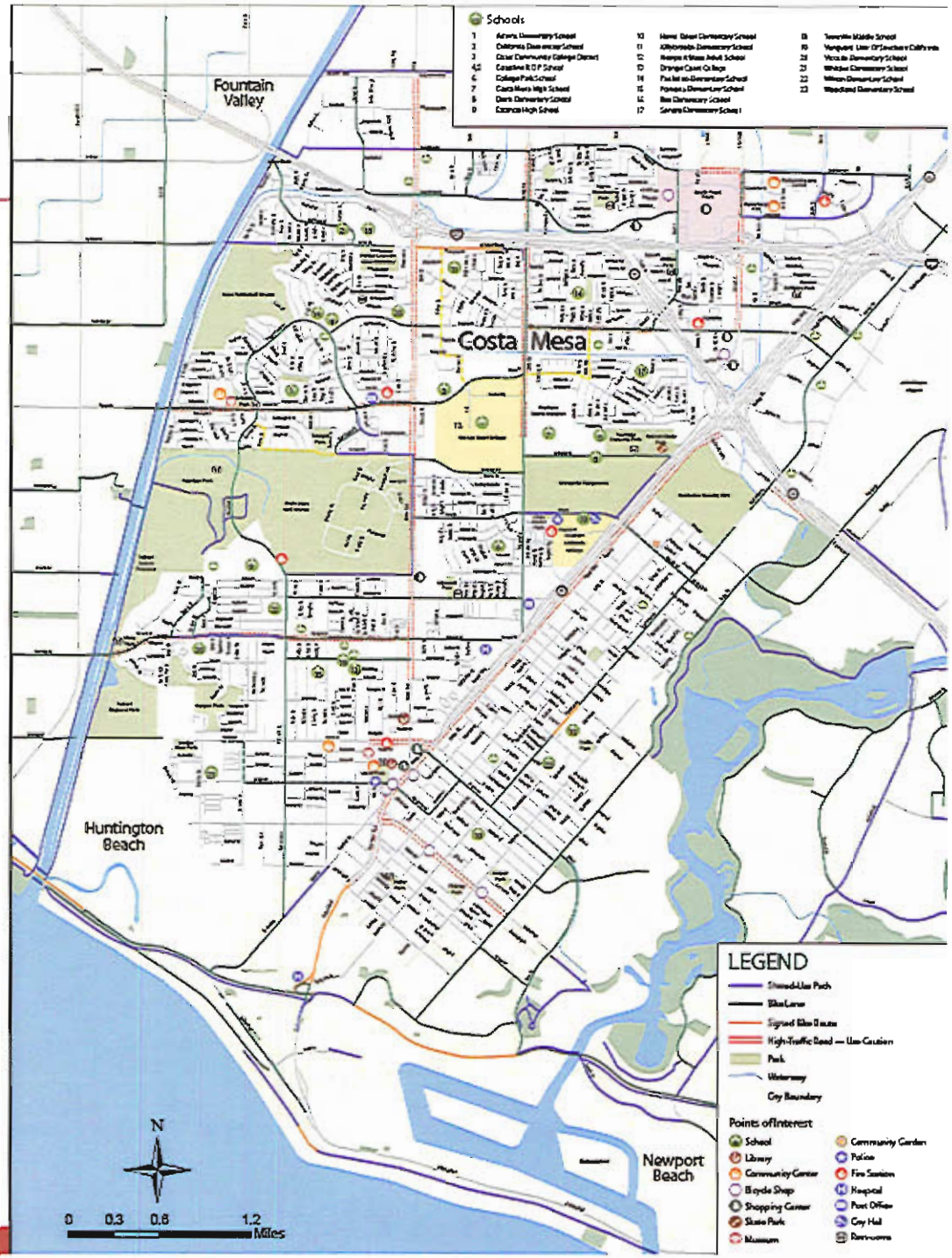
Fire Station

Hospital

Post Office

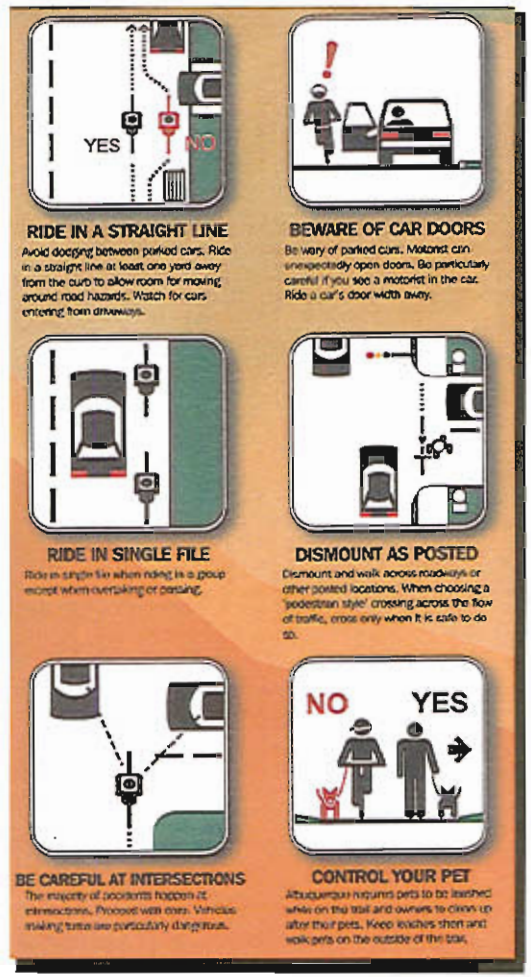
City Hall

Restrooms



Bicycle Safety Guide

- Educational Opportunity
- Safety Information
- Informational Resources



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Safety Guide Topic:

POLICIES AND LAWS

- **Relevant State Vehicle Codes**
- California Vehicle Code
- Manual on Uniform Traffic Control Devices (MUTCD)

- **Local Laws related to Bikes**
- Sidewalk Riding
- Required Equipment

California Vehicle Code Bicycle Reference Summary

(please check vehicle code for actual reference)

Bicyclist Rights (CVC 21200)

Bicyclists have all the rights and responsibilities of vehicle drivers.

Alcohol and Drugs (CVC 21200.5)

It is against the law to ride a bicycle while under the influence of alcohol or drugs.

Equipment (CVC 21202 and 21204)

Bicycles must be equipped with at least a brake which allows operators to execute to a wheelskid on dry, level, clean pavement. Handlebars must not be higher than the rider's shoulders. Bicycles must be small enough for the rider to stop, support it with one foot on the ground, and restart safely. At night bicycles must be equipped with a white headlight or white light attached to the rider and visible from the front. Bicycles must also have a rear red reflector and white or yellow pedal reflectors. There must be a white or yellow reflector on the front of the bicycle visible from the side, and a red or white reflector on the rear of the bicycle visible from the side. All riders must have a permanent, regular seat. Bicycle passengers under 40 lbs. must have a seat which retains them in place and protects them from moving parts.

Use of the Roadway (CVC 21202)

Bicycles traveling slower than the normal speed of traffic must ride as close to the right side of the road as practicable except: when passing, preparing for a left turn, to avoid hazards and dangerous conditions or if the lane is too narrow.

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Safety Guide Topic:

SAFE AND COURTEOUS RIDING PRACTICES

Riding

- Obey signage
- Safe speeds
- Lane positioning
- Hand signals
- Left Turns
- Yield at intersections
- In pavement sensors

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Safety Guide Topic:

SAFE AND COURTEOUS RIDING PRACTICES

Hazards

- Car doors
- Multi-user collisions
- Other cyclists (use bell)
- Railroad tracks
- Poor road quality
- Headphones
- Pedestrians/sidewalks

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Safety Guide Topic:

PREPARING FOR A SAFE RIDE

Biking Attire

- Properly Fitted helmet
- Appropriate shoes
- Secured pant legs
- Fluorescent vest
- Reflectors at night
- Clothing for weather (gloves, etc)

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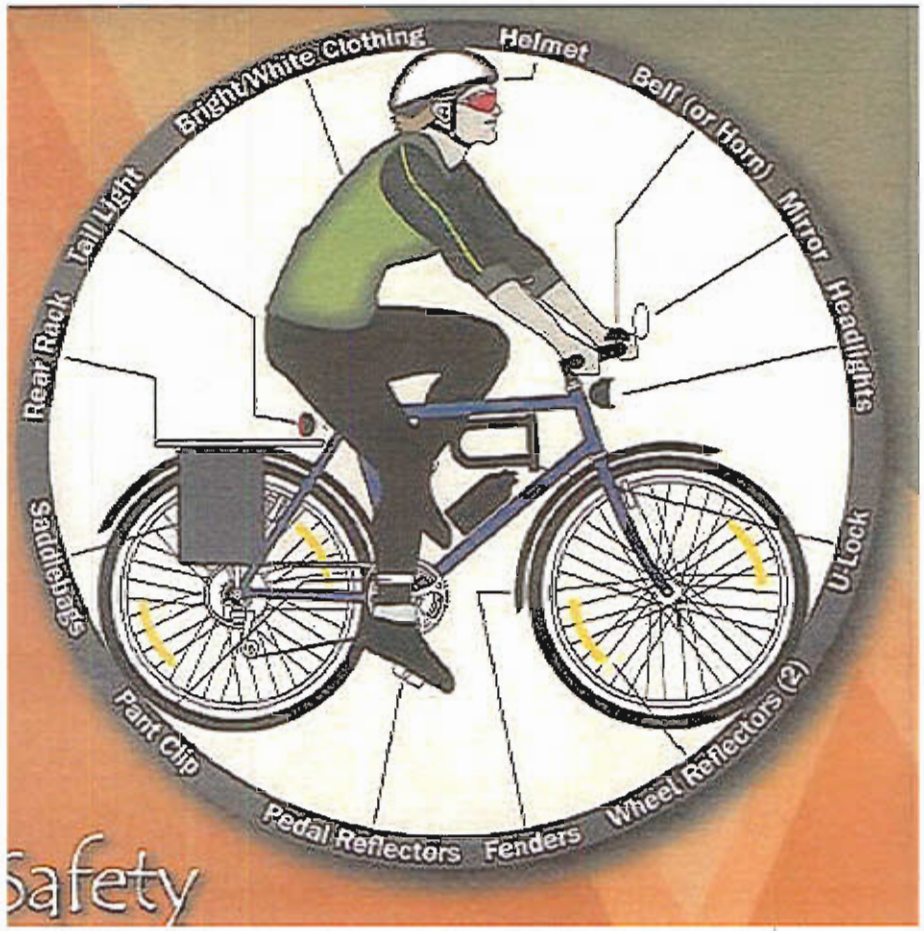
Safety Guide Topic:

PREPARING FOR A SAFE RIDE

Bicycle Maintenance

- Pre-ride safety check
- Lights and Reflectors
- Bike Bells
- Mirror
- Bicycle Lock
- How to Fix a Flat Tire



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Safety Guide Topic:

BIKEWAY TYPES

Shared Use Paths: Class I

Shared-use paths are paved pathways used by a range of non-motorized users, including pedestrians, cyclists, in-line skaters, and runners, and have their own right-of-way separated from the roadway.

Bike Lanes : Class II

A bike lane is a striped lane for exclusive use by bicyclists and include pavement stencils.

Bike Route: Class III

A Bike route is a signed shared roadway where cyclists share the travel lane with motor vehicles. It is designated with Bike Route signage and/or pavement markings.

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Safety Guide Topic:

COMMUNITY & GOVERNMENT RESOURCES

COMMUNITY

- Museums / Cultural resources
- Community centers
- Bicycle shops
- Bicycle Advocacy groups / clubs
- Bicycle related events
- Bicycle Education classes
- Bicycle Parking locations

GOVERNMENT

- Schools / Colleges
- Post Offices, Libraries, Civic centers
- Parks and Recreation
- Maintenance hotline
- Related resources: maps, guides and publications

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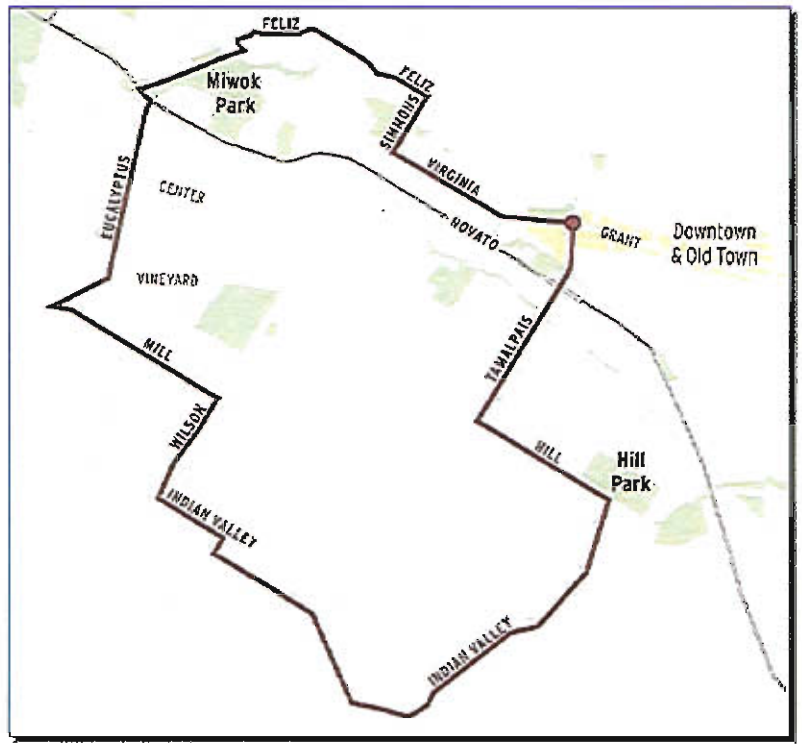
Safety Guide Topic:

RECOMMENDED ROUTES

- Historical or Cultural Loops
  - With travel time, route and attractions
- Scenic routes
- Safe routes to Schools



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What can you do?

- Provide input on the map
- Vote and comment on safety guide topics
- Mail in comment card if you have additional thoughts

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Questions?

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