

Bicycling



STATUS QUO VS STATE OF THE ART



Why Do We Care About Bikes?



ENVIRONMENT
HEALTH
COMMUNITY



Environmental Benefits



- Reduced burning of fossil fuels, decreased amounts of nitrous oxides, carbon monoxide, particulates, greenhouse gases
- SB375 – Requires reduction of regional greenhouse gas production

Healthy Lifestyles



- Portland Study - \$162 million investment in bicycle improvements = \$105 million savings in health care costs PER YEAR.
- Childhood Obesity Initiative – creating ways to get kids healthier by including activity into their daily lives (like walking and bicycling to school).

Community Building



- Community quality of life is intimately tied to road design. Bicyclists are an indicator species to determine if roads are 'community friendly'.

What Kind of Bicyclists?



**BICYCLISTS COME IN A VARIETY OF SHAPES, SIZES, AND
PURPOSES**

Athletes

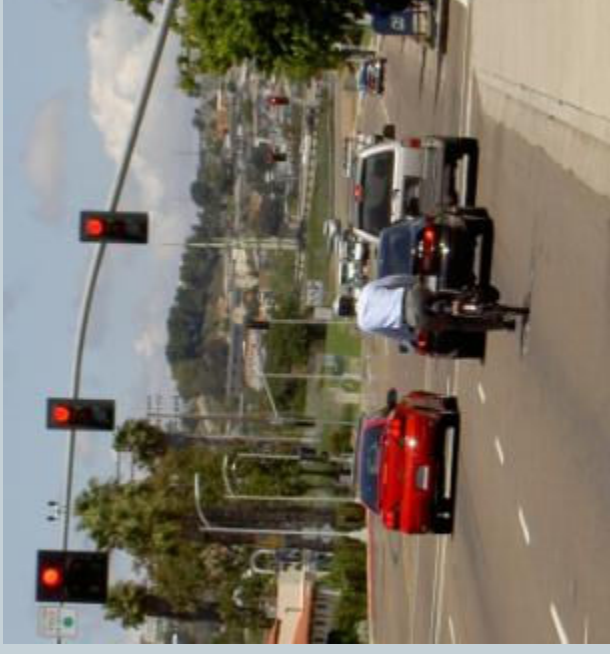


- Fast, strong, riders
- Need good pavement, long stretches (some ride 100+ miles a day), space for socialization
- Spend money where they stop



Commuters and Utility Cyclists

- Strong, confident riders
- Need good pavement, short distances between work, shopping, and home, places to store bike at work or destination.



Families



- Slower riders, usually
- Ride for fun, or to school (overlaps with utility)
- Need slow speed traffic, bike paths, short distances between home and school, support and encouragement.



Making Things Better



EDUCATION
ENFORCEMENT
ENCOURAGEMENT
ENGINEERING

Education



- Individual Cyclist Education – Traffic Skills 101 program
- Public Education Campaign – Lose the Roaditude
- Student Education – outreach to schools



Enforcement



- Educating police re: bike law
- Vulnerable users law at state level



Encouragement



- Bike to Work Day
- Bike the Bay
- Midnight Madness
- Bike Tours
- Convention and Visitors Bureau
- Bike Map
- Signage



Engineering



- What can be built?
- What can be maintained?

Bike Routes, Bike Lanes, Bike Paths



- Routes – just signage
- Lanes – paint
- Paths – separate facilities



Bike Route



Bike Lane



Bike Path



Urban Bike Facilities

What's new?



SHARROWS
GREEN LANES
BIKE BOULEVARDS
BIKE PARKING

Shared Lane Markings (Sharrows)



Designed to:

Assist bicyclists with lateral positioning in a shared lane with on-street parallel parking in order to reduce the chance of a bicyclist's impacting the [open door of a parked vehicle](#);

Assist bicyclists with lateral positioning in lanes that are too narrow for a motor vehicle and a bicycle to travel side by side within the same traffic lane;

Alert road users of the lateral location bicyclists are likely to occupy within the traveled way;

Encourage safe passing of bicyclists by motorists;

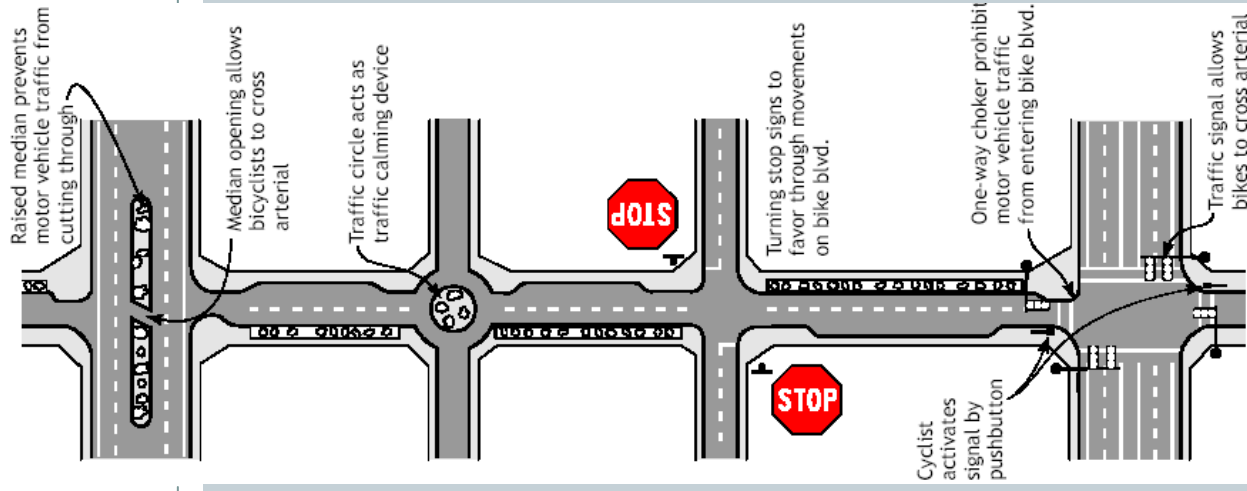
Reduce the incidence of wrong-way bicycling.

Green Lane Markings



Sharrows in the MUTCD, green pavement marking still under experimentation

Bike Boulevards



- 1) Identify a suitable street.
- 2) Remove barriers and detours to through cycling.
- 3) Turn the stop signs.
- 4) Block or deter through motor traffic.
- 5) Sign the route and provide additional guidance:

Bike Parking Options



- Bike racks
- Corrals
- Lockers
- Valet



Other cool stuff



- Green Wave/Automatic bike counters
- Bike Valet at events
- Bicycle commuter incentive
- Bike Friendly transit
- Bike stations
- Skills Parks
- Bike Share programs

What bicyclists and drivers want



- Good pavement
- Access to destinations
- People who follow the law
- End of trip facilities
- Acknowledgement that everyone has a right to use the road, and roads that allow that to happen easily and safely.

Making Encinitas a Bike Friendly Community

