ThinkBike Workshop

Team Market Street
First impressions
First impressions
First impressions

No quality: cars, less space, unpredictable
Share the lane?

No space left

No breathing
Framing the Recommendations

Discussions about requirements, networks, qualities, design, and policies
Functional Requirements

- Land use (functions, but also resting places)
- Meeting places (outdoor seating, water, green space)
- Space for pedestrians
- Space for bicycles
- Public transport
- Heavy cargo
- Private vehicles
- Parking
More people in the future

Road capacity
(people per hour on 3.5 m width in a city)

Source: Botma & Papendrecht, TU Delft 1991
Market Street in the Network

• Parallel routes are also part of the network (very important)
• Market Street is the central and main bicycle route
• Public transport on a central axis for tram, buses and underground train will stay
• Better and cleaner stations

• Concentrate private vehicles on a few main routes, resulting in fewer conflicts with bikes, pedestrians and transit
Concentrate Cross-Traffic to a Few Key Streets
Key Principles of Design Recommendations

• Market Street is central and direct
• Green Carpet for bikes!! Continuous, safe, attractive
• No conflicts – separate bicyclists and motor vehicles
• Reduce speed and volume of private vehicles
• Concentrate transit where possible (west of 7th St)
• New solutions for loading and transit stops
• Accommodate paratransit
Ideal Design Profile

- Pedestrians will keep their quality (> 20 feet)
- Bikes get a separate, exclusive track (8-10 feet)
- Central axis public transport for tram and bus (exclusive lane)
- (Minimum) lane for non-transit vehicles
- P – B – V – PT – V – B – P
- Accommodate trees, portals (BART), seating, bike parking
Typical Section with Boarding Island, East of 7th St
Typical Mid-block Section East of 7th Street
Plan View at 8th Street
Plan View at McAllister/Jones Street
Design Solutions
Market Street is the heart of San Francisco
Goal: at least 20% increase in cyclists

Infrastructure
policy
enforcement

encouragement

education
encouragement

- cheapest
- most convenient
- enjoyable
- safe and secure
- work with major merchants to get the tie-ins
  "shop on your bikes and we'll get your purchases home"
- bike sharing
- bike parking
education
• bike rider's test
• robust program
• start young!
• get the right equipment
• field trips to market street
• bus driver education for safe interaction with cyclists
policy/legal/enforcement/infrastructure

• regular presence of cops on bikes
• outdoor seating/24 hour public space
• bike ambassador program
• bike related businesses
• shared liability
• smooth confluence of cyclists/pedestrians/motorists/public transportation
sample near term projects (components):

[pedals]

• program for middle school children to get certificates as "proficient riders"
• field trip to Market Street
• increased presence of cops on bikes
• bike ambassador program
components

[bike seat]

- bike touring program
- robust bike sharing and parking pods
- cyclist-centric merchants/destinations for cyclists along Market
- bike related businesses (bike food carts)
components

[fenders]

- bike education for bus drivers and other motorists
- "bike traffic school"/bike court/diversion program
- managed delivery hours for increased flow of cycling traffic
- additional motor vehicle restrictions to increase flow of cycling traffic