Model Design Manual for Living Streets
www.modelstreetdesignmanual.com

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Presentation to US Department of Transportation
11.8.11

UCLA Luskin School of Public Affairs
Complete Streets Initiative
Project Need:
What Current Manuals Give Us

Climate change  |  Dependence on non-renewable energy
Air pollution
Traffic deaths
Obesity  |  Neighborhoods without identity
Project Need:
What Street Manuals *could* give us
Project Origins:

**Recipient:** LA County Department of Public Health for RENEW Initiative

**Need:** Guidance document for all RENEW grant communities

**Support:** UCLA Luskin Center for Innovation
Project Process:

Who Prepared the Manual
Project Process: Organizations Represented

- AARP Public Policy Institute
- American Society of Landscape Architects
- Association of Pedestrian and Bicycle Professionals
- California Department of Health Services
- California Strategic Growth Council
- City of Long Beach
- City of Los Angeles Planning Department
- Council for Watershed Health
- Congress for the New Urbanism
- Federal Highway Administration
- Green Los Angeles Coalition
- Institute of Transportation Engineers
- Local Government Commission
- American Institute of Architects/LA
- LA County Department of Public Health
- National Complete Streets Coalition
- Project for Public Spaces
- Safe Routes to School National Partnership
- Smart Growth America
- UCLA Luskin Center for Innovation
- US Access Board
Manual Introduction: Legal Standing of Street Manuals

- AASHTO “Green Book”
- The California Highway Design Manual
- Local manuals or street design standards
- MUTCD
- The California Fire Code
- CA Streets and Highways Code and California Vehicle Code
Chapter 2: Living Streets Vision

- Equity
- For people of all ages and physical abilities whether they walk, bicycle, ride transit, or drive
- Integrate connectivity and traffic calming with pedestrian-oriented site and building design
- Connect people
- Local people design their streets

- Are inviting
- Foster healthy commerce
- Strengthen and enhance neighborhoods
- Encourage active and healthy lifestyles
- Integrate environmental stewardship
- Vary in character by neighborhood, density, and function
Chapter 3: Street Networks
Chapter 4: Traveled Way Design
Access Management
Chapter 5: Intersection Design

Separated sidewalks direct pedestrians to crosswalks
Splitter island
Crosswalk one car length back
Slow speed exit
Truck apron
Lots of deflection = slow speeds throughout
Slow speed entry = yield
Separated sidewalks direct pedestrians to crosswalks

Splitter island

Slow speed exit

Truck apron

Crosswalk one car length back

Lots of deflection = slow speeds throughout

Slow speed entry = yield
Chapter 6: Universal Access
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<th>Boulevard</th>
<th>Avenue</th>
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Chapter 7: Pedestrian Crossings
Chapter 8: Bikeway Design

BEFORE ROAD DIET

AFTER ROAD DIET

Traffic signal allows bikes to cross arterial
One-way choker prohibits motor vehicle traffic from entering bike boulevard

Stop signs turned to favor through movement on bike boulevard

Traffic circle acts as traffic calming device

Median opening allows bicyclists to cross arterial

Raised median prevents motor vehicle traffic from cutting through
Chapter 1, fig, Caption: Bike lane striped to left of right turn lane
Chapter 10: Traffic Calming
Chapter 11: Streetscape Ecosystem
Chapter 13: Designing Land Use Along Living Streets
Chapter 14: Retrofitting Suburbia
Existing

Remade Neighborhood
Future:

Adoption

- Manual as a template
- Customize
  - Multiple formats
- In full or in part
- Formalize adoption

Any City, USA
Date

www.modelstreetdesignmanual.com
Metrics

2,500 + downloads to date
11,000 website views

By whom?

State DOT’s

City Planners and Engineers

Other Agencies
Air Quality Districts, Public Health Departments, Transit Agencies, FHWA

International
Canada, New Zealand, Australia, Italy

Consultants & Non-Profits
Combating Obesity with Street Design

Almost a quarter of adults in Los Angeles County are overweight. It's a problem the local public health department is trying to solve in various ways, from healthy eating campaigns to physical activity programs. Now, officials are taking that fight to the streets. Literally.

Media

- LA Curbed
- Hawaii Streetsblog
- Partner Organizations
  - National Complete Streets Coalition
  - Smart Growth America
- IBM Smart Planet
- LA Streetsblog

DOT Livability Resource?
Future: DOT’s Role

Clarification
Standards vs. Guidelines

Flexibility
Design and Funding Allocation

Partnerships
Training and Endorsement
Future: DOT’s Role

Examples

DOT Livability Initiative
Full Endorsement

EPA Streetscape Ecosystem

FTA Transit Accommodations

FHWA Intersection Design
DOT’s Role

Leverage Existing Resource

Training & Outreach