

Draft Agenda: Designing Streets for Pedestrians and Bicyclists

New Orleans, LA • April 18-20, 2011

1st day: Pedestrians

The class starts promptly at 8:30 and ends at 4:30. Please arrive at 8:00 to register

8:00 **Registration**

8:30 **Introductions:**

- Attendees explain their background and what they hope to learn.

Planning factors that impact walkability:

- Land use; street connectivity; access management; site design; LOS;

Break

Sidewalk design elements:

- Basic sidewalk design: width, clearances, accessibility, the need for buffers
- Driveways & alleys: maintaining sidewalk continuity
- Meeting the needs of the disabled; ADA standards

12:00 **Lunch**

Street crossing principles:

- Principals of human behavior; the need to provide safe, frequent and convenient crossings; midblock vs. intersection crossings

Street crossings countermeasures

- Crosswalks: justification, applicability, crosswalk markings
- Improving crosswalks: illumination; beacons; signing; advance stop/yield lines
- Medians & islands: breaking long crossing into 2 steps
- Pedestrian signals: meeting warrants, innovative techniques
- Grade-separation: where it's applicable, why it fails, how to make it succeed

Break

Intersection geometry

- Size, radius, skewed intersections, curb extensions: reducing crossing distance
- Crosswalk placement: how to place crosswalks where they'll be used
- Islands; right turn slip lane design

4:30 **Adjourn**

Draft Agenda: Designing Streets for Pedestrians and Bicyclists New Orleans, LA • April 18-20, 2011

2nd day: Pedestrians

8:30

Freeway interchanges

- Their impact on pedestrian safety

Signalized Intersections

- The purpose and principles of traffic signals
- Pedestrian head and push-button placement
- Countdown pedestrian signals
- Signal timing techniques: restricting turn movements; Leading Pedestrian Interval (LPI); all ped scramble; ITS applications

Break

Roundabouts:

- Proper design, essential pedestrian safety considerations

Transit:

- Bus stop location & design; pedestrian crossing safety;

12:00

Lunch

Road Diets

- Reducing street width enhances pedestrian safety without compromising capacity

Prepare for field trip

Field trip

Problem solving

Solutions reports

Break

4:00

Wrap-up; next steps; adjourn

Draft Agenda: Designing Streets for Pedestrians and Bicyclists New Orleans, LA • April 18-20, 2011

3rd day: Bicyclists

8:00 **Registration**

8:30 **Introduction: Planning issues that affect bicycling and walking**

- Street layout; land use, connectivity, access management, site design

The principles of bicycling

- Why bicyclists use the roads; principles of designing for bicycling

Break

On-road bikeways

- Shared roadway, bike boulevards, shoulder bikeways, bike lanes;

Surface design details

- Railroad crossings, drainage grates, chip seals, rumble strips

12:00 **Lunch**

Intersection design

- Intersection geometry, bike lane placement, loop detectors

Restriping roads with bike lanes

- Narrow/remove travel lanes, reduce parking;

Break

Bicycle Parking

Shared use paths

- Good and bad locations; design standards (dimensions) & details (fences, vegetation control, preventing motor vehicle access); street crossings;

Break

Shared use paths (conclusion)

4:30 **Adjourn**