The Urban Street Symposium

for planners, engineers, and urban street design professionals

June 28–30, 1999
The Adolphus Hotel
Dallas, Texas

UPTOWN, DOWNTOWN, OR SMALL TOWN:
DESIGNING URBAN STREETS THAT WORK

Sponsored by:
• Transportation Research Board
• American Association of State Highway and Transportation Officials
• American Society of Civil Engineers
• Federal Highway Administration
• Institute of Transportation Engineers, ITE Traffic Engineering Council, and TexITE
• National Association of County Engineers

MONDAY, JUNE 28, 1999
Registration begins at 8:00 am; SYMPOSIUM BEGINS @ 8:30 am

8:30–9:00
• WELCOME AND OPENING REMARKS, Dan Fambro (Texas Transportation Institute)

9:00–11:15
• URBAN STREET DESIGN: Different Perspectives—Moderator: Doug Harwood (Midwest Research Institute)
  • Federal Perspective—Elizabeth Fischer (Federal Highway Admin.)
  • State Perspective—Charles Conrad (Texas DOT)
  • Local Perspective—Robert Wunderlich (City of Garland, Texas)
  • Design Consultant/Developer Perspective—Joel Leisch (consultant)
  • Case Study—Robert Behar (Carr Smith Corradino)

11:30–12:45
• Lunch—George Black (National Transportation Safety Board, Washington, D.C.)

1:00–2:00
• PUBLIC INVOLVEMENT: Examples and Models—Moderator: Keith Knapp (Iowa State University)
  • Citizen Transportation Planning: A Working Model—Kristie Billiar and Karl Weissenborn (Minnesota DOT)
  • Public Involvement in Median Projects—Kristine Williams (University of South Florida)
• **LAYOUT AND FUNCTIONAL CLASSIFICATION: Different Paradigms—Part A**—Moderator: Robert Behar (Carr Smith Corridino)
  • America’s Newest Main Streets, Street Design Guidelines for Healthy Neighborhoods—Dan Burden (consultant)
  • Oregon’s Main Street Program—Mike Ronkin (Oregon DOT)

2:15–5:00
• **ACCESS MANAGEMENT: The Best Idea Since the Interstate System**—Moderator: Art Eisdorfer (New Jersey DOT)
  • Access Management Overview—Art Eisdorfer (New Jersey DOT)
  • Access Spacing and Accidents—A Conceptual Analysis—Herbert Levinson (consultant)
  • Access Spacing and Traffic Safety—Vassilios Papayanoulis, Jerome Gluck, Kathleen Feeney (Urbitran Associates), and Herbert Levinson (consultant)
  • Driveway Spacing and Traffic Operations—Jerome Gluck, Greg Haas, Jamal Mahmood (Urbitran Associates) and Herbert Levinson (consultant)
  • Median Treatment for Developed Urban Roads—Karen Dixon (Georgia Institute of Technology), John Hibbard (Cobb Co. DOT), and Chris Mroczka (Georgia Institute of Technology)
  • Economic Impacts of Raised Medians on Adjacent Businesses—William Frawley and William Eisele (Texas Transportation Institute)

• **LAYOUT AND FUNCTIONAL CLASSIFICATION: Different Paradigms—Part B**—Moderator: Robert Behar (Carr Smith Corridino)
  • Planning and Design of a Neotraditional Neighborhood—Brian Wolshon (Louisiana State University) and James Wahl (Novi, Michigan, Community Development)
  • Designing Functional Streets That Contribute to Quality of Life—Margaret Kubilins (Kubilins Transportation Group)
  • Linking Land Use and Transportation Through Street Design—Tom Kloster (Metro-Portland), James Daisa (Fehr & Peers Associates), and Rich Ledbetter (Metro-Portland)
  • Mobility-Friendly Street Design Standards for Delaware—Reid Ewing (Fehr & Peers Associates/Surface Transportation Policy Project)
  • Urban Roadway Classification: Before the Design Begins—Gerry Forbes (Synectics Transportation Consultants)
  • Street Spacing and Scale—Herbert Levinson (consultant)

**TUESDAY, JUNE 29, 1999**
8:00–9:30
• **STREET SPEED: Management and Accommodation**—Moderator: Nicholas Garber (University of Virginia)
  • Predicting Free-flow Operating Speeds for the Design of Urban Streets—Christopher Poe (Texas Transportation Institute)
  • Continuous Speed Measurement of Individual Drivers on Suburban Arterials—Mark D. Wooldridge and Kay Fitzpatrick (Texas Transportation Institute)
  • Speed Profiles: A Method for Analyzing Speed Adaptation of Car Drivers—Joachim Karlgren (Chalmers University of Technology, Sweden)
  • Urban Street Cross Section and Speed Issues—J. L. Gattis (University of Arkansas)
• **INTERSECTIONS: Where It All Comes Together**—Moderator: Elizabeth Hilton (Texas DOT)
  - Split-Intersection: A Solution to Congested Intersection—Joe Bared (Federal Highway Administration) and Evangelos I. Kaisar (University of Maryland)
  - Right Turn Treatment for Signalized Intersections—Karen Dixon (Georgia Institute of Technology), John Hibbard (Cobb Co. DOT), and Heather Nyman (Georgia Institute of Technology)
  - An Update on Unconventional Left Turn Alternatives for Urban and Suburban Arterials—Joseph Hummer (North Carolina State University) and Jonathan Reid (Parsons Brinkerhoff)

9:50–11:30
• **ADA and PEDS**—Moderator: David Loutzenheiser (Federal Transit Administration)
  - Pedestrian Level of Service Based on Trip Quality—Frank Jaskiewicz (Glatting Jackson Kercher Anglin Lopez Rinehart, Inc.)
  - A Checklist for Accessible Sidewalk and Street Crossings—Lois Thibault (U.S. Architectural and Transportation Barriers Compliance Board)
  - ADA Compliance in Austin’s Public Works Program—Dolores Gonzalez (City of Austin)
  - Making Existing Intersections Accessible—William Hecker (Hecker Design, Ltd.)
• **CROSS SECTIONS: Allocating the Width**—Moderator: Larry Shannon (Ohio DOT)
  - Curb Parking Findings Revisited—Paul C. Box (Paul C. Box and Associates)
  - Downtown Streets: Are We Strangling Ourselves on One-Way Networks?—Wade Walker, Walter Kulash (Glatting Jackson Kercher Anglin Lopez Rinehart, Inc.), and Brian McHugh (Georgia Institute of Technology)
  - Design Considerations for Existing Utility Poles in Urban Areas—C. Paul Scott (Federal Highway Administration)
  - Impacts of Non-Standard Bikeway Applications—Kevin St. Jacques (Wilbur Smith Associates)
  - Converting Urban Four Lane Undivided Streets Into Three-Lane Facilities—Thomas Welch (Iowa DOT)

1:00–5:00
• **TRAFFIC CALMING IN THE DALLAS AREA: Field Trip**—Leader: Angelia Parham (Texas Transportation Institute)
  - A bus tour of traffic calming sites through four Dallas-area cities. Includes speed humps, chicanes, lane narrowing, parking shelf, and a traffic circle in a neotraditional neighborhood.
• **LIGHT RAIL IN THE URBAN SETTING: Mixing the Modes**—Moderator: Christopher Poe (Texas Transportation Institute) walking and riding tour of the DART light rail system
  - Walk from hotel to DART
  - Overview presentation of the DART light rail system. Panel: Dave Carter (Parsons Transportation), Larry Fonts (Central Dallas Association), Ken Melston (City of Dallas), and A. Rene Rodriquez (DART)
• Tour of the light rail system in the CBD, with tour guides to point out specific features.

1:00–2:30
• SAFETY AND DESIGN: Quality Control—Moderator: Brian Ray (Kittelson & Associates)
  • The Use of Safety Audits in the Planning and Design of Urban Streets (extended presentation)—Eugene M. Wilson (University of Wyoming) and Martin Lipinski (University of Memphis)
  • Predicting Intersection Accidents with Conflict Opportunity Software—A. R. Kaub and J. A. Kaub (Traffic Safety Software)

3:00–5:00
• CAPACITY ANALYSIS AND URBAN DESIGN WORKSHOP: What It Can Do For You—Dan Fambro (Texas Transportation Institute) and Tim Neuman (CH2M-Hill)

WEDNESDAY, JUNE 30, 1999
BEGIN @ 8:00am

8:00–10:00
• TRAFFIC CALMING: Experiences and Examples—Moderator: Kay Fitzpatrick (Texas Transportation Institute)
  • Traffic Calming Impacts—Reid Ewing (Fehr & Peers Associates/Surface Transportation Policy Project)
  • Arterial Speed Calming: Mohawk Road Case Study—Gerry Forbes (Synectics Transportation Consultants) and Ted Gill (Hamilton-Wentworth Transportation Dept.)
  • Intersection Traffic Calming Devices—Michael King (New York City DOT)
  • Speed Management Techniques for Collectors and Arterials—Angelia Parham and Kay Fitzpatrick (Texas Transportation Institute)
  • West Palm Beach Traffic Calming: The Second Generation—Timothy Stillings and Ian Lockwood (City of West Palm Beach)

10:20–noon
• FLEXIBLE AND NEOTRADITIONAL DESIGNS: Pro and Con—Moderator: J. L. Gattis (University of Arkansas)
  • Questionable Concepts in Neo-Traditional Subdivision Design—Paul Box (Paul C. Box & Associates)
  • Neotraditional Street Design: Mobility for all Ages—Michelle DeRobertis (Wilbur Smith Associates)
  • Developing Street Standards that Allow Flexibility—Gwen Owens (City of Sacramento)
  • A Practitioner’s Perspective on Flexible Design—Jim Brewer (Kansas DOT)

Noon–12:15 CLOSING