Workshop 113
Research Needs for Mainstreaming Context-Sensitive Solutions in Transportation Project Development
Sunday, January 21, 2007, 8:30 AM - 12:00 PM, Shoreham
Scott D. Bradley, Minnesota Department of Transportation, presiding

Sponsored by:
Context Sensitive Design/Solutions (CSD/CSS) Task Force (AFB50T)
Geometric Design Committee (AFB10)
Landscape and Environmental Design Committee (AFB40)

Note: Context-sensitive solutions (CSS) is a collaborative, multidisciplinary, and integrated approach that involves stakeholders in developing and maintaining transportation facilities that fit their physical settings while preserving or enhancing aesthetic, scenic, historic, environmental, and community resources in balance with safety and mobility needs. Although steady progress has continued to occur in recent years, the mainstreaming of CSS philosophy, principles, and practice remains a challenge in transportation public works across the country. A growing body of recent and emerging research, lessons learned, and best practices continues to inform broader and more successful application of CSS, and yet considerable obstacles remain prevalent in the form of knowledge gaps, assumptions, paradigms, and what may be best termed as organizational resistance. The objectives of this workshop are twofold: (a) to broadly inform the identification of current obstacles to the mainstreaming of CSS in transportation project development and (b) to identify the strategic, high-priority research needs that are most likely to advance the mainstreaming of CSS in transportation project development across the country if those research needs are met.

8:30 – 8:40 am
Scott Bradley – MNDOT
Workshop introduction, objectives and overview of the CSS research and synthesis needs that have been identified and prioritized in recent years and those that have been pursued and funded thus far.

8:40 – 10:20 am

These “seasoned” professionals, from across the U.S., have been in the CSS trenches, with transportation organizations, for awhile and will share their most insightful and eye-opening experiences and observations (as presenter-panelists) and will answer questions regarding that which is progressing well in CSS and that which remains as obstacles and potential areas of research needs for Mainstreaming CSS in Transportation Project Development.

10:20 – 10:35 am: Break

10:35 – Noon
The “seasoned” professionals who have stimulated and provoked the workshop participant's thinking and concerns will facilitate and record smaller group brainstorming and nominal group prioritization or ranking of critical research needs that they consider most needed or likely to advance the mainstreaming of CSS in transportation project development.

Landscape and Environmental Design Committee  
Monday, January 22, 2007, 8:00 AM - 12:00 PM, Marriott  
Barbara A. Petrarca, Rhode Island Department of Transportation, presiding

Sponsored by:  
Landscape and Environmental Design Committee (AFB40)

UK Home Zones: Challenging the Future of our Streets (07-1367)  
John Michael Barrell, Jacobs-Babtie, United Kingdom  
Julie Whitehouse, Jacobs Babtie

Context Sensitive Design/Solutions (CSD/CSS) Task Force  
Monday, January 22, 2007, 1:30 PM - 5:30 PM, Marriott  
Scott D. Bradley, Minnesota Department of Transportation, presiding

Sponsored by:  
Context Sensitive Design/Solutions (CSD/CSS) Task Force (AFB50T)

Integrating Context Sensitive Solutions in Day to Day Activities: Information from a Post Training Survey (07-1541)  
Leigh Lane, North Carolina State University  
Brian Byfield, Center for Transportation and the Environment  
Ann Hartell, Center for Transportation and the Environment

CSS Training Experiences: Mainstreaming Context Sensitive Solutions in the Workforce (07-1261)  
Sally G. Oldham, Oldham Historic Properties Inc  
Valerie N. Birch, Parsons Brinckerhoff Quade & Douglas, Inc.

Integrating CSS Into Management, Planning, and Design (07-2653)  
Marie Venner, ICF International  
Janet Letts D'Ignazio, North Carolina State University  
Wendy L Messenger, ICF International
Session 479
Integrating Context-Sensitive Solutions and Value Engineering
Tuesday, January 23, 2007, 10:15 AM - 12:00 PM, Shoreham
Scott D. Bradley, Minnesota Department of Transportation, presiding

Sponsored by:
Context Sensitive Design/Solutions (CSD/CSS) Task Force (AFB50T)
Geometric Design Committee (AFB10)
Landscape and Environmental Design Committee (AFB40)

Context-Sensitive Solutions, Value Engineering, and Asset Management: Creating and Maintaining Value, Improving Accountability, and Reaching for Sustainability (07-2698)
Marie Venner, ICF International
Sergio J. Ostria, ICF Consulting
Jeffrey Ang-Olson, ICF International
Janet Letts D'Ignazio, North Carolina State University

Integrating Value Engineering and Context-Sensitive Solutions: Case of St. Clair Avenue West Transit Improvement Project (07-1442)
Hesham Osman, University of Toronto, Canada
Nora M. El-Gohary, University of Toronto, Canada
Tamer E. El-Diraby, University of Toronto, Canada

Craig R. Gaskill, Carter & Burgess

Session 679
Mainstreaming Context-Sensitive Solutions in the Workforce
Wednesday, January 24, 2007, 10:15 AM - 12:00 PM, Shoreham
Scott D. Bradley, Minnesota Department of Transportation, presiding

Sponsored by:
Context Sensitive Design/Solutions (CSD/CSS) Task Force (AFB50T)
Geometric Design Committee (AFB10)
Landscape and Environmental Design Committee (AFB40)

Context-Sensitive Solutions Strategic Plan for Illinois Department of Transportation (07-1655)
Susan Stitt, Illinois Department of Transportation
Kathleen S. Ames, Illinois Department of Transportation
John Webber, Illinois Department of Transportation

Mainstreaming Context-Sensitive Design in Massachusetts: Deployment of New Project Development and Design Guide (07-0432)
Luisa M. Paiewonsky, Massachusetts Highway Department
Thomas A. DiPaolo, Massachusetts Highway Department
Ruth Bonsignore, Vanasse Hangen Brustlin, Inc.
Beth Larkin, HNTB Corporation
Christopher Conklin, Vanasse Hangen Brustlin, Inc.
Mainstreaming Context-Sensitive Solutions in the Workforce: Washington State (07-2266)
Paula Reeves, Washington State Department of Transportation
Harold Peterfeso, Washington State Department of Transportation
Brian J. Smith, Washington State Department of Transportation
Megan White, Washington State Department of Transportation

Session 706
Influence of Roadway Type and Environment on Context Sensitivity
Wednesday, January 24, 2007, 2:30 PM - 4:00 PM, Shoreham
Craig Allan Churchward, HNTB Corporation, presiding

Sponsored by:
Landscape and Environmental Design Committee (AFB40)
Context Sensitive Design/Solutions (CSD/CSS) Task Force (AFB50T)

Transportation, Large Infrastructure, and Context in Urban Areas: Review of Human-Scale Perception and Response (07-1842)
Kathleen L. Wolf, University of Washington

Model Development for Freeway Green Landscape Evaluation (07-1299)
Jian Lu, Southeast University, China
Li Yuan, Southeast University, China
Quanmin Ge, Bureau of Nanjing Road Administration, China

Safety Effects of Urban Principal Arterial Streetscape Redevelopment Projects Including Street Trees: A Context-Sensitive Case Study (07-2829)
Anna St. Martin, Washington State Department of Transportation
John C. Milton, Washington State Department of Transportation
Mark E. Hallenbeck, University of Washington

Session 731
Influence of Roadway Type and Roadside Environment on Speed, Safety, and Context Sensitivity
Wednesday, January 24, 2007, 4:30 PM - 6:00 PM, Shoreham
Craig Allan Churchward, HNTB Corporation, presiding

Sponsored by:
Landscape and Environmental Design Committee (AFB40)
Context Sensitive Design/Solutions (CSD/CSS) Task Force (AFB50T)

Context-Sensitive Methods to Influence Operating Speeds: Case Study of Rural Highway Using Casewise Visual Evaluation (07-1203)
Nick Stamatiadis, University of Kentucky
Keiron Bailey, University of Arizona
Theodore H. Grossardt, University of Kentucky
John Ripy, University of Kentucky
Anne Strombotne, University of Kentucky

Variation in Free-Flow Speed due to Roadway Type and Roadside Environment (07-3136)
Gilbert Hansen, University of Connecticut
Norman Garrick, University of Connecticut
John N. Ivan, University of Connecticut
Thomas Jonsson, University of Connecticut

Roundabouts as Context-Sensitive Solutions (07-3141)
Ken Sides, City of Clearwater