Design Flexibility Toolbox

Training

Minnesota Department of Transportation
• Essential Skills for Project Managers Training
• Design Institute Training
• Environmental Stewardship & Streamlining Workshops
• Context Sensitive Solutions Workshops
• Advanced Flexibility in Design Workshop

Websites and Programs
• www.contextsensitivesolutions.org
• www.fhwa.dot.gov/context/index.cfm (FHWA)
• www.cts.umn.edu/education/csd (Minnesota)
• www.sha.maryland.gov/events/ocen/thinkingbeyondpavement/thinking.asp (Maryland)
• www.engr.uky.edu/ktc (Kentucky)

Services/Resources

National Highway Institute
Website: www.nhi.fhwa.dot.gov
• #14228 Managing the Environmental Process
• #14211 Historic and Archaeological Preservation
• #14235 Improving the Aesthetic Design Elements of Urban, Suburban and Rural Roads
• #14226 Visual Impact Assessment for Highway Projects
• #14236 Public Involvement in NEPA and Transportation Decision-Making
• #13342 Human Factors: Principles for Highway, Traffic and Design Engineers
• #480 A Guide to Best Practices for Achieving Context Sensitive Solutions

Institute of Transportation Engineers (ITE)
• Context Sensitive Solutions in Designing Major Urban Thoroughfares for Walkable Communities (2006)

Transportation Research Board (TRB)
• Assessing the Effectiveness of Project-Based Public Involvement Processes: A Self-Assessment Tool for Practitioners (1999)

American Association of State Highway and Transportation Officials (AASHTO)
• Subcommittee on Design – working on revisions to the “Green Book.” Website: www.aashto.org
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Training, Services and Resources

U.S. DOT
- Public Involvement Techniques for Transportation Decision-making (1996)
- Context Sensitive Design/Thinking Beyond the Pavement Publications
  Website: www.fhwa.dot.gov/context/pubs.cfm
- Innovations in Public involvement for Transportation Planning (1994)
- Interactive Highway Safety Design Model (IHSDM), FHWA. Software tool to evaluate the safety impacts of design decisions. – www.tfhrc.gov/safety/ihsdm/ihsdm.htm

Minnesota Department of Transportation
- Context Sensitive Design “Pilot State” Resources (Contact Scott Bradley)
- Landscape Architectural Resources & Services (Contact Scott Bradley)
- MnMODEL, a predictive database used to establish the likelihood of archeological resources being present in a project area. Developed in cooperation with the State Historic Preservation Office.
- Computer Visualization services from Mn/DOT’s Districts and Central Office Landscape Architecture Unit (Contact Dennis Moline)
- “Hear Every Voice” Mn/DOT Public Participation Guidance (being updated - Contact Ginny Crowson)
  Website: www.dot.state.mn.us/planning/publicinvolvement
- Aesthetic Initiative Measurement System (AIMS) (Contact David Larson)
- Visual Impact Assessment Guidelines (Contact David Larson)
- Visual Quality Management Process (Contact Scott Bradley)
- Mn/DOT guidance on design standards flexibility. (Contact Jim Rosenow for more information.)
- Design Exception information (Contact Jim Rosenow) – www.dot.state.mn.us/design/geometric/formal-design.html
Others

- University of Minnesota’s Human Factors Lab (contact John Carmody or Kathleen Harder)
- “Drive-thru” feature of Geopak design software
- “Inventories” of architectural and environmental resources by state agencies (see HPDP manual for listings)