

DECEMBER REPORT

A monthly report on transportation research, education, and outreach activities at the University of Minnesota

CTS HOLDS TRANSPORTATION LEADERSHIP INSTITUTE

The Transportation Leadership Institute, sponsored by CTS and the Executive Development Center of the Carlson School of Management, was held November 2-6 in Monticello, Minn. The Institute attracted broad participation including representatives from the Minnesota Department of Transportation, Regional Transit Board, Metropolitan Council, local government, and the private sector. CTS Director **Dick Braun** provided welcoming remarks and jointly conducted a session with **Bob Einsweiler**, director of the Lincoln Institute of Land Policy. Other presenters included **Bill Scheurer**, director of the Executive Development Center; **G. Edward Schuh**, **John Bryson**, and **Bob Terry** of the Humphrey Institute; **John Borchert**, Regent's Professor Emeritus in the Geography Department; **Dennis Ahlburg** of the Industrial Relations Center; **Jim Bensen** of the Dunwoody Institute; **Roy Bauer** of IBM; and **Leland Russell** of GEO Group, Inc. The Institute Planning Task Team, along with several Institute participants, will meet later this month to review Institute evaluation data and determine the Institute's future direction. Task team members are **Randy Halvorson**, **Connie Kozlak**, **Sue Muehlbach**, **Karl Rasmussen**, **Don Raisanen**, **Steve Theis**, **Glen Van Wormer**, **Bob Johns**, and **Cheri Trenda**.

TRANSPORTATION PLANNING IS TOPIC OF FALL LUNCHEON

The Center's fall quarter luncheon presentation on November 12 featured Dr. **Bruce D. McDowell**, director of Government Policy Research for the U.S. Advisory Commission on Intergovernmental Relations, who spoke on "New Partners for Transportation Planning in the 1990s." McDowell believes that no other federal act in recent years has done more to promote new partnerships than the Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA). New interest groups representing a variety of concerns--such as the environment, growth management, energy use, historical preservation, and consumerism--are becoming more closely involved in transportation policymaking. A key venue of participation for these nontraditional players are metropolitan planning organizations (MPOs), which are assigned strengthened responsibility under ISTEA. State and local officials will need to regenerate the capacity of MPOs and expand their boundaries and memberships, McDowell declared, while also enhancing the planning function in state departments of transportation. He also stressed the importance of linking all participants--MPOs, state DOTs, rural and small urban areas, and the new interest groups--in coordinated transportation planning. If you would like a copy of the paper on which this presentation was based, please call the Center at (612) 626-1077.

BICYCLE TRANSPORTATION IS SUBJECT OF CONFERENCE IN FEBRUARY

Planning is under way for an unprecedented three-part conference presenting state-of-the-art tools for implementing bicycle transportation systems. The event, coordinated by **Jim Dustrude** of Mn/DOT, will be held February 24-27, 1993, at the Saint Paul Hotel. Sponsors are CTS, Mn/DOT, the Minnesota State Bicycle Advisory Board, and the Bicycle Federation of America. The conference will begin with a CTS symposium titled "Bicycle Building Blocks: Current Research and Tools for Engineers and Planners" (see next item for details). Part two, the State Bicycle Conference, will expand on this theme with many "how-to" sessions on "Assembling and Operating Bicycle-Friendly Transportation Systems." Part three of the conference will be a regional collaboration of the Bicycle Federation of America to present information on "Transportation Planning for Liveable Communities." Registration information will be available in future issues of the *Monthly Report*.

CTS BICYCLE SYMPOSIUM WILL FEATURE UNIVERSITY RESEARCH

The CTS symposium scheduled for the afternoon of February 24, 1993, will feature the results of two research projects by Professor **Robert Sykes** and **Trina Wicklatz** of Landscape Architecture. One project--"Land Design for Bicycle Transportation in Minnesota"--is a CTS-funded effort now nearing completion. The other is a new project funded by Mn/DOT and CTS in which Sykes is developing a planning guidebook that describes system requirements, criteria, and guidelines for developing bicycle system plans. **Bob Works**, **Jim Dustrude**, and **Greg Pates** of Mn/DOT's Intermodal Programs Division will be working closely with Sykes to develop the guidebook. The new project also includes a technology transfer program to explain to urban and suburban communities the systems approach to establishing bicycle transportation networks. **Laurie McGinnis** of CTS is coordinating a planning committee for the symposium, which includes Professor Sykes; **Dave Kelliher**, legislative assistant to the Senate Transportation Committee; and **Dan Murray** of the Regional Transit Board, representing **Judy Hollander**, chair of the CTS Environment Council.

MINNESOTA TECHNOLOGY TRANSFER STEERING COMMITTEE MEETS

The first meeting of the Minnesota Technology Transfer (T²) Steering Committee was held November 17. **Cheri Trenda**, CTS education/extension programs director, and **John Ohrn**, T² technical advisor, presented an overview of the courses and services to be offered beginning January 1993. The T² Steering Committee will meet every four months to direct program initiatives, establish priorities, and evaluate program progress. Members of the committee include: **Mike Wagner** and **Ron Rudrud**, Minnesota Local Road Research Board; **Dennis Carlson** (chair), **Bob Benke**, and **Dick Sullivan**, Mn/DOT; **Vernon Mickelsen**, Federal Highway Administration; **Richard Kjonaas**, Minnesota County Highway Engineers Association; **Jim Grube**, City Engineers Association of Minnesota; **Dave Fricke**, Minnesota Association of Townships; **Mike Ulrich**, Minnesota Public Works Association; **Ken Paulson**, industry representative/Minnesota Asphalt Pavement Association; and **Bob Johns**, CTS. In related news, regional T² activities were highlighted during the Annual Region 5 County Engineers Meeting held November 18-19 in Matteson, Ill. The 1993 T² Program plan was also presented at the Annual Bituminous Conference held in Brooklyn Center last month.

MN/DOT AND CARLSON SCHOOL FORM TEAM FOR IVHS/CVO STUDY

Professor **Frederick J. Beier** of Marketing and Logistics Management began working with **Chuck Sanft** and **Cathy Erickson** of Mn/DOT's Intermodal Programs Division last month on a study of Intelligent Vehicle/Highway Systems and Commercial Vehicle Operations (IVHS/CVO) institutional issues. The project will examine Minnesota's motor carrier regulatory processes to identify institutional barriers and avenues of opportunity for IVHS/CVO technology applications. Technologies that deal with the collection and exchange of information have a large potential for enabling transportation enterprises to improve service reliability and lower costs. This study will identify barriers that inhibit the application of potentially productive information technologies and estimate the potential benefits for eliminating these barriers. The team will also explore barriers and opportunities with the State of Wisconsin by focusing on truck movements on I-94 between the two states. The one-year project will be conducted under the guidance of a resource/steering committee, established by **Gordon Boldt**, director of Mn/DOT's Office of Transportation Data Analysis. The committee includes members of government and industry with expertise on trucking matters.

CTS COUNCILS HOLD FALL MEETINGS

The six CTS Councils held their fall meetings in November to review current Center activities and begin making plans for the next fiscal year. The four research councils discussed over 40 research proposals submitted by principal investigators, and scheduled subcommittee meetings for December to review abstracts and plan sessions for the Center's conference next May. The Education Council discussed 1992-93 education initiatives and formed a subcommittee structure to accelerate progress on each initiative. The next meeting of the Education Council is scheduled for February 3, 1993, to review each subcommittee's work plan. The Information/Outreach

Council suggested priorities for new CTS publications, discussed the role CTS could play in providing information/library services for Minnesota, and reviewed opportunities available through the Minnesota Technology Transfer (T²) Program. If you have questions about the councils, contact the following chairs: **A. Scheffer Lang** (Transportation and the Economy); **Mike Robinson** (Transportation Safety and Traffic Flow); **Doug Weiszhaar** (Transportation Infrastructure); **Judy Hollander** (Transportation and the Environment); **Jim Newland** (Education); and **Renee McGivern** (Information/Outreach). The Council chairs also met last month to review plans for implementing new membership policies in the near future.

HUMPHREY INSTITUTE PROJECT HOLDS CONSULTATION, STEERING COMMITTEE MEETING

The Humphrey Institute's State and Local Policy Program, directed by **Lee Munnich**, continues to make progress on its ambitious agenda to develop new transportation and economic models for federal, state, and local cooperation in infrastructure investment. The program's most recent steering committee meeting was held November 20, and its third policy consultation was held November 23. The consultation was chaired by Sen. **Gary DeCramer**, and was attended by approximately 80 Minnesota transportation leaders. The opening presentation was made by Mn/DOT Commissioner **Jim Denn**, who discussed basic value statements that guide the decisions of the Minnesota Department of Transportation. This effort is leading toward a report to Congress by April 1993.

STRATEGIC PLAN IS BEING DEVELOPED FOR IVHS INSTITUTE

CTS has hired **Jerry Werner** of Werner Associates, an Austin, Tex., consulting firm, to begin developing a strategic plan for the Institute for IVHS Concepts. Werner is conducting some of the preliminary work for the plan, including interviews with University of Minnesota faculty, CTS clients, and the Federal Highway Administration. Funding from the Research & Special Projects Administration is expected to be approved shortly for completing the strategic plan. Once the plan is approved, additional funding will be made available for the Institute's research, education, and technology transfer programs. The new director of the IVHS Institute, who will be chosen in the next few weeks, will lead these efforts.

ENGINEERING STUDENTS PARTICIPATE IN I-394 CORRIDOR WORK

For six weeks in October and November, four students in the Department of Civil and Mineral Engineering were involved in traffic and occupancy counts on the I-394 corridor recently completed by Mn/DOT. **Lisa Raduenz** of LJR, Inc., transportation consultants and planners, recruited three undergraduates--**Pam Maki**, **Vickie Vanselow**, and **Tim Gross**--from a civil engineering course taught by Professor **Gary Davis**. **Carl Mach**, a doctoral candidate, also participated in the traffic engineering project. The students conducted occupancy counts at various park-and-ride lot locations along the corridor, in preparation for future transit express services to be provided by the Metropolitan Transit Commission. Traffic engineering efforts will continue on the I-394 corridor for the next two years.

CALLS FOR PAPERS

The 11th National Conference on Rural and Intercity Public Transportation will be held in Park City, Utah, September 26-29, 1993. The overall theme of the conference is "Managing Quality for Tomorrow: Today's Challenge." The conference will include interactive workshop sessions organized into tracks on topics such as the Americans with Disabilities Act, planning, total quality management, and operations. Persons interested in participating should submit an outline proposal to **Peter Shaw** of the Transportation Research Board by December 23. Also, the deadline for submitting abstracts for the 4th International Conference on the Bearing Capacity of Roads and Airfields, to be held July 17-21, 1994, in Minneapolis, was listed incorrectly in last month's *Report*. The new deadline is April 1, 1993. Copies of both announcements are available at CTS.

CTS EVENTS; FACULTY ACTIVITIES

The Center's fall quarter events series closed with two presentations last month. A Careers presentation featured **Jerry Geib**, construction and maintenance engineer with the Federal Highway Administration, while a Faculty Seminar was given by Professor **Yorgos Stephanedes** of Civil and Mineral Engineering titled "On-Line Detection of Incidents in Freeways." In other news, Stephanedes was invited to participate as an auditor at the project review for DRIVE-II, Europe's IVHS program, held in Brussels recently. Stephanedes was the only auditor from the United States in the areas of integrated urban and interurban traffic management. Stephanedes also presented a paper titled "Continuum Modeling in Optimal Control of Freeway Corridors" at the Congress on Computational Mechanics.

UPCOMING TRANSPORTATION EVENTS

If you wish to publicize an event, call **Pam Snopl**, Center editor, at (612) 624-0841, or fax your announcement to (612) 625-6381. For other Center information, please call (612) 626-1077.

- Dec. 10 42nd Annual Concrete Conference, Earle Brown Center, St. Paul. Call **Lori Graven** at (612) 625-9023.
- Jan. 6 1993 Transportation Legislative Reception, Radisson Hotel St. Paul. Contact **Jerry Anderson** of the Transportation Alliance at (612) 379-7227.
- Feb. 24-27 "Bicycle Transportation 1993: Making it a Part of Your System," Saint Paul Hotel. Sponsored by CTS, Mn/DOT, the Minnesota State Bicycle Advisory Board, and the Bicycle Federation of America. Contact **Jim Dustrude** at (612) 297-1838 for further information.



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