

JANUARY REPORT

1994 A monthly report on transportation research, education, and information/outreach activities at the University of Minnesota

TURNQUIST IS WINTER LUNCHEON SPEAKER; OTHER CTS EVENTS SCHEDULED

The Center's winter quarter luncheon presentation on February 10 will feature Professor **Mark A. Turnquist** of the School of Civil and Environmental Engineering at Cornell University, who will discuss "Freight Transportation: Manufacturing Logistics for the Twenty-first Century." Turnquist has been active in research on freight transportation systems since the 1970s. His work in railroad freight car distribution, begun in the early 1980s, has formed the basis for implemented systems at CSX and the Union Pacific. In 1986-87 he was a visiting professor at General Motors Research Laboratories, where he worked on a variety of logistics and manufacturing projects, and his involvement with GM has continued to the present. He is also involved in research on hazardous materials transportation and urban goods movement. To register for the luncheon, return the enclosed form no later than February 3. Other CTS winter quarter events, including the faculty and careers seminars and a half-day symposium, have been scheduled; details are in the enclosed winter calendar and symposium brochure.

ELIZABETH DEAKIN TO SPEAK AT TRANSPORTATION AND THE COMMUNITY SYMPOSIUM

Registration materials are included with this issue of the *Report* for the CTS Transportation Symposium titled "Transportation and the Community." The event will be held February 23, 1994, starting at 8:00 a.m., at the Holiday Inn Burnsville. Participants will learn about using transportation to build community linkages, integrating transportation into liveable communities, and coordinating transportation and land development. The program will begin with presentations from panelists representing four perspectives: Professor **John Adams** of Geography; Professor **William Morrish** of the Design Center for the American Urban Landscape; **Matt Huber**, professor emeritus from Civil and Mineral Engineering; and a developer yet to be named. Case studies focusing on specific local issues will then be presented, each followed by questions and problem-solving discussions between the audience and panelists. The event will conclude with a luncheon speech by Professor **Elizabeth Deakin** of the Department of City and Regional Planning at the University of California, Berkeley. Deakin, who presented a well-attended luncheon speech for CTS in 1989, will summarize the symposium results and place them into the context of national experience and recent research in transportation and land development. For further information contact **Lori Graven** at (612) 625-9023.

NEW BOOK EXAMINES ECONOMIC, SOCIAL ENVIRONMENT OF TWIN CITIES

A book by Geography Professor **John S. Adams** and doctoral candidate **Barbara J. VanDrasek** titled *Minneapolis-St. Paul: People, Place, and Public Life*, has recently been published by University of Minnesota Press. The book is an original examination of the physical, economic, and social environment that sets the Twin Cities apart from other U.S. cities of their size. Enhanced with maps, photographs, and graphs, the book is useful for both present and prospective residents of the Twin Cities, as well as real-estate brokers and developers, local government officials, city planners, public relations representatives, students of urban geography and sociology, and land-use planners. *Minneapolis-St. Paul* offers a compilation of information about the economic foundations of the area, development patterns and their origins, public and private renewal of the

central cities, and transportation/land-use conflicts in the suburbs and beyond. The 256-page book is available for \$24.95; call University Press at (612) 624-0005 for details.

BOB JOHNS NAMED ACTING DIRECTOR

Bob Johns, associate director of the Center, has been named by **Anne Petersen**, vice president for research and dean of the Graduate School, as acting director of CTS after **Dick Braun** retires on January 28. He will hold this position until the search for a new director is completed. Johns has been with the Center since 1988 and formerly held positions at the Twin Cities Metropolitan Council, Minnesota Department of Transportation, Santa Fe Railway, and University of Iowa. The director search committee, chaired by Professor **Fred Beier**, met in December to review the position announcement, which is being advertised in national publications. Applications and nominations are due **February 15**. To obtain a copy of the announcement call CTS at (612) 626-1077. An open reception will be held for **Dick Braun** on Thursday, January 20, at Bandana Square (second floor) from 5:15 p.m. to 7:15 p.m., with a short program at 6:00 p.m.

IVHS INSTITUTE SEEKS LAB MANAGER

The Center's IVHS Institute is seeking applications and nominations for the position of manager of the IVHS Laboratory. The position is an academic staff position reporting to **Dennis Foderberg**, director of the Institute. The lab, along with the Center's new offices, will be housed in a building currently under construction on the Twin Cities campus. The successful candidate will initially be responsible for direct project management of the laboratory design, equipment acquisition, and installation, and will ultimately be responsible for the overall operation and management of the IVHS lab facility. Applications are due **February 1**. To obtain a copy of the position description, call CTS at (612) 626-1077.

MINNESOTA T² TO HIRE PROGRAM COORDINATOR

The Minnesota Technology Transfer (T²) Program, housed within the Center, is seeking a program coordinator to coordinate local technology transfer activities. Minnesota T² assists county, municipal, and township transportation personnel in applying new transportation technologies through a number of activities. The successful candidate will assist in the design and development of T² programs such as workshops, information services, publications, and technical assistance and referral. The position is an academic staff position reporting to **Cheri Trenda**, program director of CTS education/extension programs. Applications are due **February 15**. To obtain a copy of the position description, call CTS at (612) 626-1077.

LOCAL ROAD RESEARCH BOARD (LRRB) HOLDS WINTER MEETING

Three faculty members presented findings of their LRRB-sponsored research projects at the board's December 8 meeting. Professors **Raymond Sterling** and **Vaughan Voller** of Civil and Mineral Engineering (CME) presented findings from the project "Low-Vibration Methods of Soil Compaction for Urban Utility Projects." Sterling also discussed his progress on the project "Installation and Repair of Utility Systems Beneath Streets." Professor **Dave Newcomb**, also of CME, described the results of his recent project on the "Use of Polymerized

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Crumb Rubber in Hot-Mix Asphalt." Cheri Trenda of CTS presented the 1994 Minnesota T² Program work plan and budget, both of which reflect LRRB funding as approved during the LRRB's August meeting. Directions for the 1994 T² program were recently approved by the T² Steering Committee (see below). Also at the LRRB winter meeting, St. Louis County engineer Dick Hansen was elected as the new LRRB chair, replacing Mike Wagner of Nicollet County, whose term ended.

IVHS FORUM NEXT MONTH

An Intelligent Vehicle-Highway Systems (IVHS) Information Exchange Forum is being held February 14 at the Minneapolis-St. Paul Airport Hilton. The goal of the forum is to provide information on the status and potential benefits of IVHS, and to elicit responses on local needs and concerns regarding IVHS. Scheduled participants to date include: Dick Braun and Dennis Foderberg of CTS; James Costantino of IVHS AMERICA, Washington, D.C.; Commissioner James Denn, Gene Ofstead, James Wright, and Linda Dolan of Mn/DOT; Susan Lauffer, Martin Monahan, and Dwight McComb of the Federal Highway Administration (FHWA); and a number of speakers representing private industry/consultants and transportation agencies in other states. Sponsors are Minnesota Guidestar, the U.S. DOT, IVHS AMERICA, CTS, and the IVHS Institute. A complete announcement is being mailed to the Center's mailing list and others. For more information contact Melanie Braun, (612) 282-2474.

CTS COUNCILS ACTIVE IN CONFERENCE PLANNING, RESEARCH REVIEW / DISSEMINATION

The six CTS Councils held meetings recently to review current Center activities and make plans for the coming year. Subcommittees from all six councils reviewed abstracts and planned sessions for the Center's fifth annual conference, which will be held May 12-13. The four research councils met in December to discuss over 70 research proposals submitted by principal investigators. The Education Council discussed 1993-94 education initiatives and formed a subcommittee structure to address each initiative. A subcommittee of the Information/Outreach Council developed a checklist to be used for gathering information from faculty involved in the Center's research program. Council members and CTS staff will use the checklist to determine and monitor research dissemination methods—such as publications, presentations, database entries, and University courses—for each research project. If you have questions about the councils, call CTS at (612) 626-1077 for phone numbers of the chairs: Terry Stone (Transportation and the Economy); Mike Robinson (Transportation Safety and Traffic Flow); Doug Weiszhaar (Transportation Infrastructure); Judy Hollander (Transportation and the Environment); Dennis Carlson (Education); and Rence McGivern (Information/Outreach).

T² PROGRAM STEERING COMMITTEE APPROVES TRAINING DIRECTIONS

The Minnesota T² Program Steering Committee, chaired by Dennis Carlson of Mn/DOT, approved 1994 T² training directions during its December 3 meeting. T² Director Cheri Trenda and John Ohrn, T² technical advisor, recommended training programs based on the survey results of the recently completed T² Program training needs assessment, which surveyed technical training needs of county, municipal, and township transportation personnel. The 1994 T² workshops will include enhancements of previously offered T² workshops that remain a high training priority, as well as new programs to address emerging training needs such as metric conversion, pavement management, erosion control/turf establishment, work zone safety, and roadside maintenance. Steering Committee members emphasized the growing importance of coordinating T² training programs for local agencies with other training providers such as Mn/DOT and industry/professional associations. The committee also gave approval to hire a coordinator for the Minnesota T² Program (see above).

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