

# MAY REPORT

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

## HANK DITTMAR TO GIVE CLOSING SPEECH AT CONFERENCE

**Hank Dittmar**, director of the Surface Transportation Policy Project (STPP), will present "The Post-ISTEA World: What Comes Next?" at the closing luncheon of the Center's Fifth Annual Transportation Research Conference on May 13. Dittmar replaces **Grace Crunican**, deputy administrator of the Federal Transit Administration, who is unable to attend. STPP is a coalition of interest groups that made significant contributions to the development of the 1991 Intermodal Surface Transportation and Efficiency Act (ISTEA). Dittmar will update conference attendees on the status of ISTEA from a national perspective and report on discussions in Congress and elsewhere about future transportation policy. The conference is being held Thursday and Friday, May 12-13, at the Sheraton Park Place Hotel in Minneapolis (I-394 to the Park Place exit). The *June Report* will contain complete conference coverage.

## STUDENT JOB OPENINGS ARE ATTACHED

Attached to the back of this newsletter is a listing of student job opportunities in various transportation-related organizations. CTS has initiated this pilot program as a result of recommendations by the CTS Education Council and its Student/Faculty/Practitioner Exchange Subcommittee, chaired by **Dennis Carlson** and **Stephanie Eiler**, respectively. The local chapter of the Council of Logistics Management, led by **Ron Lifson** and **Cathy Petersen**, has also helped develop this program. The purpose of the program is to help students gain valuable "real-world" experience that supplements their education, and to give employers an opportunity to identify talented candidates for possible future positions. Employers who have student job openings are encouraged to send postings to CTS by the 25th of each month to be included in the next *Monthly Report*. CTS will circulate the job openings throughout the University and encourage faculty to identify students who should apply for these positions. The transportation industry's response to this pilot program will determine its future direction. If you have any questions or comments, please contact **Cheri Trenda**, CTS education/extension programs, at (612) 625-5829, or contact members of the CTS Education Council.

## RESEARCH PROJECT COMPLETED ON CONGESTION PRICING IN TWIN CITIES

Professor **Herbert Mohring** and **David Anderson** of Economics have completed a research project titled "Congestion Pricing for the Twin Cities Metropolitan Area," sponsored by the Metropolitan Council. The final report briefly presents some of the new technologies available for congestion pricing (including IVHS), as well as some of the objections to the approach, such as the relative burden imposed on lower income motorists. The bulk of the report describes the researchers' attempts to quantify optimal congestion pricing for the Twin Cities Metro Area (TCMA). In one scenario, they estimate that for northbound travel on an eight-mile stretch of I-35W during the weekday-morning peak hour, the monetary equivalent of the congestion costs each vehicle imposes on the occupants of all other vehicles once it enters the expressway equals 49 cents per vehicle mile. Since current fuel taxes average perhaps 2 to 3 cents per vehicle mile, charges of this level would, the researchers predict, almost certainly change travel behavior dramatically. They estimate that use of congestion pricing could trigger 15 to 25 percent reductions in traffic with tolls in the 14- to 17-cent per mile range on the

## MITTEES MEET; INFANTE TO ADDRESS ADVISORY BOARD

's Executive Committee, chaired by **Shef Lang**, met in April to review funding for an initial set of objects and discuss other initiatives that will begin in FY 1995. The committee had an in-depth on the possibility of a minor or certificate program in transportation studies, and directed CTS staff exploring this initiative. The committee also reviewed a draft update of the Center's strategic plan, *actions*, which included new initiatives developed by the six CTS Councils. This plan will be gain at the May 11 Council meetings. The Center's Council Coordinating Committee, chaired by **Jim** also met last month to discuss *Center Directions* and prepare for the Council meetings and annual board meeting on May 11. The Advisory Board meeting will feature a presentation on University e role of interdisciplinary centers by **Ettore Infante**, the University's senior vice president and provost ic affairs.

## TANS ATTEND IVHS AMERICA MEETING

of Minnesotans attended the IVHS AMERICA Fourth Annual Meeting in Atlanta on April 17-20. presenters included **Panos Michalopoulos** of Civil and Mineral Engineering, **Peter Hancock** of the tors Research Laboratory, and **Lee Munnich** of the Humphrey Institute. Former CTS Director **Dick** elected to the IVHS AMERICA Board of Directors and retired from the Coordinating Council. **lerberg**, director of the Center's IVHS Institute, was named chair of the Committee on Advanced sportation Systems; **Eil Kwon** and **Lowell Benson** of the IVHS Institute also attended the meeting. ent representatives including Assistant Commissioner **Gene Ofstead**, who received an award as an air of the Committee on Advanced Traffic Management Systems. In addition, Minnesota Guidestar /HS projects and products developed in Minnesota. For a recent brochure on Guidestar, call **Melanie** 12) 282-2474.

## TA T<sup>2</sup> HIRES PROGRAM COORDINATOR

sota Technology Transfer (T<sup>2</sup>) Program, directed by **Cheri Trenda**, has hired **Tom Donahue** to serve coordinator. Donahue has been the assistant city engineer for the city of Woodbury since 1992, as responsible for project management and scheduling. He has extensive professional development g experience, having coordinated pavement management training for Woodbury and dozens of elated seminars. He has also held positions with several local engineering consultant firms. Donahue :his duties with CTS this month. The search committee for his position included **Julie Skallman** and of Mn/DOT, and two members of the Local Road Research Board (LRRB)—**Wayne Fingalson** of nty and **Jim Grube** of St. Louis Park Public Works. Trenda announced Donahue's hiring and ther T<sup>2</sup> news at the spring meeting of the LRRB, which was the first meeting of newly elected chair on of St. Louis County, who replaces **Mike Wagner** of Nicollet County. CTS appreciates the strong en by LRRB to T<sup>2</sup> and CTS research activities during Wagner's term as LRRB chair.

## REGISTRATION UNDER WAY FOR IVHS SEMINAR TOUR, RURAL IVHS CONFERENCE

Registration is under way for two IVHS events coming up later this year. The first is the Institute of Transportation Engineers (ITE) Fourth ITE IVHS Seminar Tour, to be held August 7-13. The tour will include on-site visits to IVHS facilities in four cities—Chicago, Detroit, Minneapolis, and Toronto—as well as numerous presentations on IVHS topics of interest to tour participants. The University's Human Factors Research Lab, Mn/DOT's Traffic Management Center, and Minnesota Guidestar will be featured in the Minneapolis segment of the tour, led by tour coordinator **Dennis Foderberg** of CTS. To register contact **Juan Morales** or **Jane Wetz** of ITE Headquarters at (202) 554-8050; fax (202) 863-5486. Another IVHS event this year is the "Rural IVHS 1994 National Conference," to be held September 11-14 in Blacksburg, Va. **Mike Sobolewski** of Minnesota Guidestar is on the steering committee for the conference, which will be hosted by the Virginia Tech Center for Transportation Research and sponsored by IVHS AMERICA, FHWA, Virginia DOT, and AASHTO. For details contact Virginia Tech at (703) 231-5182; fax (703) 231-3746.

## SUBMISSION DEADLINE APPROACHES FOR TWO STUDENT AWARDS

The Council of University Transportation Centers (CUTC) is seeking applicants for its 1994 Milton Pikarsky Memorial Award and 1994 C.V. Wootan Award. The awards are given annually to four graduate students in transportation for the two best Ph.D. dissertations and master's theses. Cash awards are \$1,500 (Ph.D.) and \$1,000 (master's). The American Public Transit Foundation (APTF) is seeking candidates for its Annual Transit Hall of Fame Scholarship Award Program, designed to increase and retain the number of young professionals entering the transit field. Each year APTF awards at least one new scholarship consisting of a minimum \$2,500. The submission deadline for both award programs is **May 31**. Copies of both announcements are in the Center's offices.

## STUDENTS RECEIVE SCHOLARSHIPS, AWARDS FROM LOCAL GROUPS

The Seminar and Education Committees of the Twin Cities Roundtable of the Council of Logistics Management awarded scholarships to two graduate students in Marketing and Logistics Management—**Debra Skoog** and **Megan Farrell**—to attend a March 31 seminar in Minneapolis on "The Business of Reengineering." The North Central Section of the Institute of Transportation Engineers (NCITE) presented two awards at its April meeting for best student papers. **Greg Han** won the undergraduate award for his paper on "Examination of Commuter Behavior at the University of Minnesota, for Use in Parking Demand Analysis," and **Jeung-Gyu Kang** won the graduate award for his paper titled "Effect of Advanced Traffic Management Strategies on Urban Freeway Safety." Also last month the Women's Transportation Seminar (WTS) presented scholarships to **Megan Farrell** and **Sarah Braasch**, an undergraduate in Aerospace Engineering and Mechanics.

## CTS EVENTS; FACULTY/STAFF ACTIVITIES

**Gary Warren**, airport engineer with the Metropolitan Airports Commission, gave a CTS Careers presentation last month. Professor **Jerry Fruin** of Economics presented a paper titled "Waterborne Commerce of Minnesota: Trends and Projections 1970-2010," at the Minnesota Water 94 Conference on April 21. **Laurie McGinnis**, **Cheri Trenda**, and **Tiffany Tran** of the Center hosted an exhibit at Transportation Expo in Minneapolis on April 19. **John Ohm** of the Minnesota T<sup>2</sup> Program spoke on minimizing tort liability on township roads at the Minnesota Association of Townships (MAT) annual short course. **David Fricke**, executive director of MAT and a member of the T<sup>2</sup> Steering Committee, also participated in the course, which was presented at 15 locations over a three-week period. AAA Minnesota presented their 1994 "Service to Motoring Award" to former CTS Director **Dick Braun**.

## 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.

- May 5-6 "ISTEA Pedestrian-Bicycle Conference: Tools for Planning and Public Input," St. Paul. Sponsors: Center for Urban and Regional Affairs (CURA) and EarthCare Directory. Call CURA, (612) 625-1551.
- May 9-12 State/FHWA Regions 5 & 7 Railroad Conference, Minneapolis/St. Paul Airport Hilton. Call **Dave McKenzie**, (612) 296-0362.
- May 12 CTS Spring Quarter Luncheon: "Clean Cars and Sustainable Transportation," by **Daniel Sperling**, professor of environmental studies and transportation engineering, University of California, Davis. Sheraton Park Place, Minneapolis. Contact **Lori Graven**, (612) 625-9023; fax 626-1632.
- May 12-13 CTS Fifth Annual Transportation Research Conference, Sheraton Park Place, Minneapolis. Contact **Lori Graven**, (612) 625-9023; fax 626-1632.
- May 17, 19 "Expanding the Global Environment for International Trade: Positioning Minnesota as a Winner," Minnesota World Trade Conference '94, Park Inn International, Minneapolis. Call (612) 933-5094.
- May 18-20 "Transportation in Transition," Women's Transportation Seminar 1994 National Conference, Hyatt Regency, Los Angeles. Call **Robert Cashin**, (213) 244-6441, or **Renee Berlin**, (213) 244-6863.
- May 21-26 Third International Conference on Managing Pavements, Hyatt Recency, San Antonio. Sponsor: TRB. Contact **Bill Dearasaugh**, (202) 334-2950.
- May 24 CTS Transportation Careers Series—transportation leaders speaking to U of M students on career opportunities. **Wayne A. Fingalson**, Wright County Highway Engineer, 12:15-1:10 p.m., 205 Civil and Mineral Engineering, University of Minnesota, Minneapolis. Contact CTS, (612) 626-1077.
- May 24 WTS/NCITE Annual Joint Meeting, Sunshine Factory, New Hope. Contact **Judy Hollander**, (612) 229-2704.
- May 25 CTS Faculty Seminar: "Experimental Verification of Shakedown Loads for Composite Bridges" by **Roberto Leon**, Civil and Mineral Engineering, 3:35-4:25 p.m., 205 Civil and Mineral Engineering, University of Minnesota, Minneapolis. Open to the public. Contact CTS, (612) 626-1077.
- May 25-27 "Transportation Solutions for Today, Tomorrow and Beyond," Fourth National Conference for Small and Medium-Sized Areas, Duluth Entertainment and Convention Center. Sponsors: TRB, FHWA, Mn/DOT, NARC, ITE, APA. Contact **Diane Dzuck**, (218) 722-5545; fax (218) 722-2335.
- June 2 CTS Faculty Seminar: "Autonomous Vehicle Guidance" by **Max Donath**, Mechanical Engineering, 3:35-4:25 p.m., 205 Civil and Mineral Engineering, University of Minnesota, Minneapolis. Open to the public. Contact CTS, (612) 626-1077.
- June 2-4 FHWA National Transportation Enhancements Workshop, Key Bridge Marriott, Arlington, Va. Call (202) 939-3470.
- June 5-7 "Transit Accessibility: Implementing the ADA," Renaissance Hotel, Washington, D.C. Sponsors: Project ACTION of the National Easter Seal Society, USDOT FTA. Contact **Rick Gonzalez**, (202) 347-3066.
- June 6-7 National Policy Conference on Intelligent Transportation Systems and the Environment, Renaissance Hotel, Arlington, Va. Sponsors: USDOT, IVHS AMERICA, Environmental Defense Fund, George Mason Univ., STPP, University of Minnesota, California DOT. Contact **Chris Brody**, (202) 484-4131.
- June 22-24 NCITE District IV 28th Annual Conference, Madden's Resorts, Brainerd. Contact **Tom Campbell**, (612) 582-1043; fax (612) 582-1033.