



U holds transportation seminar for policy leaders

State legislators, county commissioners, and other elected and appointed officials attended a one-day transportation seminar for policy leaders on January 8. Sponsored by CTS and the Humphrey Institute's State and Local Policy Program (SLPP), the seminar provided an overview of transportation trends and an opportunity to discuss policy implications with University and industry experts.

Moderated by **Barbara Lukermann**, senior fellow with the Humphrey Institute of Public Affairs, the seminar comprised four sessions:

1. Transportation Systems and Trends, led by **John Adams** (Professor and Chair, Department of Geography, and faculty member, Humphrey Institute)



Ron Erhardt, Scott Dibble, and Charles Crichton

2. Technological Developments, led by **Max Donath** (Professor, Department of Mechanical Engineering, and Director, Intelligent Transportation Systems Institute)

3. Transportation Finance, led by **Lee Munich** (Senior Fellow and Director, Humphrey Institute SLPP) and **Barry Ryan** (Research

Seminar continued on page 2

Freight-related transportation issues loom large nationally and for Minnesota

While most people working in freight and logistics recognize the significance of their industry, outsiders have not always acknowledged its importance. However, **Leo Penne**, program director for intermodal activities at the American Association of State Highway and Transportation Officials (AASHTO), reports that times may be changing in Washington.

Penne joined freight and logistics professionals, researchers, and policymakers at the Seventh Annual Freight and Logistics Symposium, held on December 5, 2003, in Minneapolis. He said that freight-related issues are close to priority lobbying in Washington for the first time because of a strong consensus that freight and transport issues are increasingly important in today's world. Penne also noted that both the House and the Senate have a number of freight and transportation bills on the table. The House in particular has proposed some big programs and significant spending, which could mean some major



Leo Penne

changes—if the legislation passes.

CTS director **Robert Johns** opened the event by summarizing the challenges facing the industry and describing the symposium's three main sessions, which involved leading-edge trends, the implications of community-integrated logistics for Minnesota, and an update on federal initiatives and legislation. CTS sponsored the event in cooperation with the Minnesota Department of Transportation (Mn/DOT), Minnesota Freight Advisory Committee, Council of Logistics Management, and Twin Cities Metropolitan Council.

The first session, "Leading Edge Trends and Concepts," moderated by **Mark Berndt** of Wilbur Smith Associates, featured

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Brochures in the mail for Oberstar Forum, CTS Research Conference

The brochure for the third **James L. Oberstar** Forum on Transportation Policy and Technology is being mailed in February. The forum will be held March 15 on the University of Minnesota Duluth campus.



James Oberstar

For more information visit the Oberstar Forum Web page at www.cts.umn.edu/oberstarforum.

Also check your in-boxes for the preliminary program (with registration form) of the CTS Fifteenth Annual Transportation Research Conference. It will be held May 4–5 at Saint Paul RiverCentre.

The May 4 opening plenary session will feature a presentation by **John B. Heywood**, director of the Sloan Automotive Laboratory at the Massachusetts Institute of Technology, titled "Technologies for More Sustainable Transportation." That day's luncheon presentation will be by **Martin Wachs**, director of the Institute of Transportation Studies at the University of California, Berkeley, titled "A Quiet Revolution in Transportation Finance."

For further information call **Heather Dorr**, 612-625-5267, or e-mail hdorr@cce.umn.edu. CTS

U receives federal funds for bike research

University of Minnesota researchers recently began work on a major research project to develop guidelines for planners to use in estimating the benefits and costs of bicycling facilities. Funded by the National Cooperative Highway Research Program (NCHRP), the project builds upon earlier Mn/DOT-funded research that helped develop the expertise and ideas that allowed the University to win this contract award, which was chosen in a national competition. The project is led by principal investigators **Kevin Krizek** and **Gary Barnes** (Humphrey Institute) and **David Levinson** (Civil Engineering) and also includes subcontracts with Planners' Collaborative (Cambridge, Mass.) and the University of North Carolina (UNC).

The motivation for the project came from the belief among some bicycle advocates and others that bicycle facilities can be marginalized in the general transportation planning process because of a lack of quantitative evaluation, Barnes says. Highway and transit investments are evaluated and justified using standard methodologies to estimate benefits and costs; no equivalent tools exist for bicycle-related investments. The hope is that better cost and benefit estimation tools not only will lead to better decisions, he says, but will further legiti-

mize bicycle investments more generally.

Thus, the focus of this research is to develop guidelines to measure the benefits and costs of bicycling facilities in order to achieve four principal objectives:

- To compare investments in bicycling with other modes
- To evaluate whether a particular facility is justified
- To choose the appropriate facility
- To better integrate bicycling into the general transportation planning process.

There are three major components to the research:

- Estimating costs of various types of bicycle facilities, and how these costs might vary under different conditions. (This will be done by Planners' Collaborative.)
- Developing tools for predicting the amount of bicycling in an area given a set of facilities and other conditions.
- Estimating the benefits created by bicycling, given the amount and types of usage.

The goal is to develop methods for measuring these benefits in monetary values where possible, or more generally to relate



relative benefit measures of different investment options to general public policy goals.

The final project objective is to develop the tools for measuring costs and benefits into a guidebook (text and computerized) that can be used by planners and others to evaluate and justify bicycle investments using the same kind of "hard" quantitative analysis that is used for auto and transit investments. The guidebook will be published by NCHRP in paper form, and a computerized version will be available on the Internet. UNC will assist in the development of the computerized guidelines, which will be housed on the Web site of the Pedestrian and Bicycle Information Center, part of the Highway Safety Research Center.

The project is scheduled for completion in August of 2005. **CTS**

Transportation and Regional Growth Study featured at TRB meeting

What do freeway bottlenecks, warping pavements, and driver simulator sickness have in common? They were among the many topics presented by University of Minnesota researchers at the annual Transportation Research Board (TRB) meeting in Washington, D.C., last month.

One session, "Policies and Strategies to Address Traffic Congestion," featured papers on several projects that were completed as part of the Transportation and Regional Growth (TRG) Study. The TRG Study was a multiyear initiative coordinated by CTS at the request of Mn/DOT and the Metropolitan Council, with support from the Minnesota Local Road Research Board. The papers presented were:

- "Highway Improvements and Land Development in the Greater Twin Cities Area, 1970-1997: Measuring the Connections," **John S. Adams** and **Barbara J. VanDrasek**, Geography; **Laura Smith**, Macalester College; and **Julie Cidell**, California State University



- "Using Land Use Policy to Address Congestion: Importance of Destination in Determining Transit Share," **Gary Barnes**, Humphrey Institute
- "Regional and Local Policy Implications for Implementing a Suburban Network of Transit-Oriented Development Centers," **Carol Swenson**, Center for Policy, Planning, and Performance; and **Frederick C. Dock**, Meyer, Mohaddes Associates, Inc.

"Vehicle Miles of Travel, Congestion, and Suburban Design Alternatives," **Lance M. Neckar**, Landscape Architecture

Another session, "CEO Leadership Forum: Strategic Issues and Directions for State Departments of Transportation," presented the results of the May 2003 CEO Leadership Forum and the follow-up activities being planned to support CEOs and their organizations in addressing the issues heard at the forum. CTS hosted the forum, which was sponsored by the American Association of State Highway and Transportation Officials (AASHTO), TRB, and the Federal Highway Administration.

CTS staff were also active at the meeting. **Robert Johns**, CTS director, chaired the TRB Management and Leadership Section Executive Board meeting; **Laurie McGinnis**, associate director, chaired the TRB Conduct of Research Committee meeting; and **Cheri Marti**, assistant director, chaired the Technology Transfer Committee meeting. **Arlene**

Mathison, CTS librarian, co-chaired over a session titled "Information Bridge Across the Organization: Knowledge Management and Human Resources," and presented resources on congestion in a session titled "Critical Issues in Transportation: Information Resources for Decision Makers."

Also at the meeting, **Katharine Sanderson** received the ITS Institute's 2003 Outstanding Student of the Year award at a special ceremony. Sanderson is enrolled in the civil engineering Ph.D. program at the University of Minnesota and is currently a transportation engineer at URS in Minneapolis. She was recommended for the award by Associate Professor **Gary A. Davis**, Civil Engineering.

University of Minnesota researchers from a range of departments presented more than 35 papers and posters at the meeting. For a full listing, please see the CTS Web site at www.cts.umn.edu/news. **CTS**

Seminar from front

Fellow, Department of Applied Economics)

4. Transportation Governance, led by **Tom Scott** (Professor, Department of Political Science, and Director, Center for Urban and Regional Affairs) and **Robert Johns** (Director, CTS)

The seminar's participants and resource experts are shown below.

Participants

Wendall Armstrong, Commissioner, Waseca County

Dennis Berg, Commissioner, Anoka County

Charles Crichton, Council Member, City Council of Burnsville

Senator **Scott Dibble**, Minnesota Senate

Douglas Differt, Deputy Commissioner and Chief Engineer, Mn/DOT

Representative **Ron Erhardt**, State of Minnesota



Barbara Lukermann (standing) moderated the seminar.

Gary Erickson, Assistant County Administrator, Public Works, and County Engineer, Hennepin County

Mary Hill Smith, Council Member, Metropolitan Council

Wes Judkins, Director of Transportation, Region 9 Development Commission, Mankato

Mayor **Steve Larson**, City of New Brighton

Representative **Bernie Lieder**, Minnesota House of Representatives

Bob McFarlin, Assistant to the Commissioner, Mn/DOT

Peter McLaughlin, Commissioner, Hennepin County

Annette Meeks, Council Member,

Metropolitan Council

Veid Muiznieks, President, Association of Metro Municipalities, and Mayor, St. Paul Park

Senator **Mark Ourada**, Minnesota Senate

Dennis Peterson, Commissioner, Kandiyohi County

Milt Plaisance, Commissioner, Rice County

Senator **Ann Rest**, Minnesota Senate

Craig Rubis, Commissioner, Jackson County

Representative **Connie Ruth**, Minnesota House of Representatives

Representative **Dan Severson**, Minnesota House of Representatives

Representative **Nora Slawik**, Minne-

sota House of Representatives

Representative **Paul Thissen**, Minnesota House of Representatives

Gertrude Ulrich, Council Member, City of Richfield

Resource Experts

Margaret Amundson, Committee Administrator, State of Minnesota, Transportation Policy Committee

Natalio Diaz, Director, Transportation Planning, Metropolitan Council

Norman Foster, Executive Budget Officer, Minnesota Department of Finance

Kevin Gray, Assistant Commissioner, Mn/DOT

Abigail McKenzie, Director of Statewide Planning and Analysis, Office of Investment Management, Mn/DOT

Michael Setzer, General Manager, Metro Transit

John Williams, Legislative Analyst, House Research Department, Minnesota House of Representatives

Amy Vennewitz, Fiscal Analyst, Office of Fiscal Policy, Minnesota Senate **CTS**

Freight from front

Thomas Zunder of the Advanced Railway Research Centre at the University of Sheffield, England. Zunder provided a European perspective on freight and logistics issues and cited a number of challenges and concerns specific to Europe that differ from the U.S. transport industry. In particular, he addressed the European Union's commitment to the Kyoto treaty, which he says drives energy and transportation policy in Europe. The treaty focuses on noise and pollution issues, which Zunder suggests can be even more meaningful in Europe where towns and cities tend to be closer together.

Robert Weisbrod, of the Partnership for Sustainable Ports in Brooklyn, New York, followed Zunder with a discussion of global freight villages, which are high-performance freight and logistics centers that are shared by many and located in urban areas to reduce "the freight analogy of sprawl." **Ferrol Robinson**, of SRF Consulting Group, joined Weisbrod and Zunder, speaking about a Mn/DOT report



Thomas Zunder and Lance Neckar

that identifies 27 freight clusters in Minnesota and the issues facing them.

During the second session, "Community-Integrated Logistics—Implications for Minnesota," a panel of local experts discussed approaches to integrate regional business, transportation, and land use, and what it will take to incorporate some of these best practices from other areas. University landscape architecture professor **Lance Neckar** provided insight on community and intermodal design by considering ways to accommodate the

freight industry's need for large, horizontal spaces and city residents' needs for city living amenities. Neckar said a better process is needed to integrate local neighborhood and city needs (such as parks) with freight needs. **Richard Murphy Jr.**, of Murphy Warehouse Company, moderated the panel, which also included **Lynn Moratzka**, of Dakota County, discussing

logistics and congestion, **Lee Starr**, of the City of Coon Rapids, speaking about the positive relationship between freight businesses and Coon Rapids, and **Bruce Maus**, of Corporate Real Estate, explaining how logistics affects the location decisions of American companies.

After Penne's update on federal initiatives and legislation, Robert Johns wrapped up the session by reviewing the research issues that surfaced during the day's discussions. He concluded that the

Freight continued on page 4



CAREERS IN TRANSPORTATION

Transportation Jobs and Internships February 2004

APPLICANTS: If you are interested in these positions, please contact the person(s) listed.

EMPLOYERS: If you have job opportunities related to the field of transportation, CTS will help you publicize them. You can obtain a submission form from the CTS web site at www.cts.umn.edu/education/employfrm.pdf or by calling 612-625-6687. Please send your text by mail, fax, or e-mail; we must receive your text by the 25th of each month in order to list it in the next *CTS Report*. Send submissions to:

Careers in Transportation
Center for Transportation Studies
University of Minnesota
200 Transportation and Safety
Building
511 Washington Avenue S.E.
Minneapolis, MN 55455
Phone: 612-625-6687
Fax: 612-625-6381
E-mail: snopl001@cts.umn.edu

Students interested in civil engineering positions can check the Civil Engineering Department's site at: www.ce.umn.edu/empopp/coop.

Accuracy of ads is the responsibility of the employer. CTS reserves the right to edit ads for length and format. Unless otherwise notified, CTS will run announcements until the application deadlines expire. Ads without a deadline will be run for three consecutive issues, unless otherwise arranged.

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation. This publication is available in alternative formats upon request. Recycled paper with 20% postconsumer waste.

ENGINEERING & TECHNICAL

SRF Consulting Group, Inc.

Senior Traffic Engineer

Traffic Engineer wanted to manage a wide variety of traffic analysis projects. Requirements include a BSCE and 4-7 years traffic/transportation analysis experience, including the ability to analyze safety-related impacts of various transportation improvements. Candidates must have proficiency with Synchro/Sim Traffic, Traffix, or other traffic simulation software; excellent written/verbal communication skills; project and staff management experience; and a Minnesota PE or the ability to attain one.

SRF Consulting Group, Inc. is a locally owned and well-established transportation engineering, planning, and design firm. In addition to varied and exciting work in a positive atmosphere, we offer competitive salary and benefits, 401k/profit sharing, and vacation and sick leave. Send your resume to SRF Consulting Group, Inc., One Carlson Parkway N., Ste. 150, Plymouth, MN 55447; fax to 763-475-2429; or e-mail to jobs@srfconsulting.com. EOE.

Transportation Demand Modeler/GIS Specialist

Entry level planner or engineer wanted to assist in the development of traffic/travel demand forecasts and impact analysis for transit, roadway, and land development projects. Requirements include a degree in civil engineering, cartography, geography, planning, or related field with significant coursework and/or experience in GIS and/or travel demand modeling. Strong technical/math aptitude and communication skills required. The ideal candidate will have experience with: TRANPLAN, TP-PLUS, TRANSCAD or other travel demand forecasting software; ARCGIS 8.x or other GIS package; and proficiency with Excel, Access, and/or other database manipulation software.

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Experienced travel demand modeler wanted to develop travel forecasts and impact analysis for land development, transit and roadway and traffic impact projects. Requirements include a degree in civil engineering, geography, or planning with related coursework; 3-5 years of relevant experience with travel demand forecast modeling software such as TRANPLAN, TP-PLUS, TRANSCAD, or other travel demand forecasting software; and proficiency with Excel, Access, and/or other database manipulation software. Project management experience and familiarity with ARC GIS 8.x or other GIS software desired. Strong communication skills and ability to work both independently and as a team member a must.

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Civil Engineering Technician

TKDA Engineers • Architects • Planners seeks a FT Civil Engineering Technician for our Airport Department. In this position you will provide drafting, survey-



ing, design, and construction inspection services. A two-year technology degree and minimum of two years construction inspection experience is required. Visit us at www.tkda.com for details.

Please submit resume and cover letter to TKDA, Attn: HR, 444 Cedar St., #1500, St. Paul, MN 55101-2140, Fax: 651-292-0083, or e-mail careers@tkda.com. Must be authorized to work in U.S. AA/EOE

MISCELLANEOUS

Cargo Carriers, Inc.

Inland Waterways Dispatcher

Cargo Carriers, Inc. (CCI), a division of Cargill Marine and Terminal, Inc., is seeking a dispatcher to coordinate barge freight movement along the inland waterways to meet customer needs and contract obligations within CCI's productivity goals. Candidates would work closely with other dispatchers, CCI sales department, barge superintendent, and claims manager to maximize utilization of CCI equipment. Other responsibilities include proactively identifying customer and cost-cutting solutions as well as gathering and analyzing pertinent industry data to identify trends.

Applicants must be self-motivated, possess an eagerness to take initiative, have excellent verbal and non-verbal communication skills, have excellent organizational and multi-tasking skills, be proficient with Microsoft Office Suite, be able to work well as a team member, demonstrate creativity and innovation, and be willing to work or be on call nights, weekends, and holidays. Bachelor's degree or a minimum of 2 years equivalent experience required. Strong analytical/problem solving/decision making skills desired.

To apply for this position, go to www.cargill.com.

- Click on Careers
- Click on Career Opportunities - Experienced Opportunities
- Select Supply Chain Management under job category
- Select Inland Waterways Dispatcher - WAY00131
- Submit resume for position

For more information, contact hiring manager at terri_1_ahonen@cargill.com

SRF Consulting Group, Inc.

Proposal Writer/Editor

Creative, detail-oriented and energetic team player wanted to assist in proposal writing/editing and work with senior staff on a variety of business development activities. Requires at least two years direct experience coordinating the RFQ/RFP process; a bachelor's degree in communications, marketing, english, journalism, or related field; excellent written/verbal communication skills; and the ability to work on multiple projects simultaneously. Graphic design skills are not a requirement for this position.

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Abstractor/Right of Way Agent

Abstractor/Right of Way Agent wanted for abstracting duties, title analysis, document preparation, and negotiation activities for Right of Way Acquisitions. Abstractor's license required. Real Estate license and right of way acquisition experience a plus. Excellent written/verbal communication skills a must.

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US/DOT's Volpe Center

Transportation-related positions

US/DOT's Volpe Center has a variety of opportunities for individuals at both junior and mid-levels in a wide range of transportation project applications.

The following are some of the available positions: transportation economists and analysts; transportation and commu-

nity planners; policy analysts; operations research analysts; travel survey researchers; traffic engineers; mechanical engineers; and organizational development and design specialists. The John A. Volpe Transportation Internship is also available.

The positions are located in the Office of System and Economic Assessment at the US/DOT's Volpe Center in Cambridge, MA.

For more information on career opportunities at the Volpe Center visit www.volpe.dot.gov/career/index.html or contact Susan Jarrell, DTS-84, Office of Human Resources, RSPA/Volpe Center, Kendall Square, Cambridge, MA 02142, phone 617-494-2214; e-mail Jarrell@volpe.dot.gov.

INTERNSHIPS

Braun Intertec Corporation

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Braun Intertec Corporation has Civil Engineering and Construction Materials Internships available. Learning opportunities include:

- Major Construction project experience: university campuses, DOT projects, offices, retail and industrial developments, etc.
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- Learn procedures at outlined in ASTM, AASHTO, and DOT
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Applicants must be college students working toward civil engineering or construction management degree. Will train qualified applicants; relevant experience preferred. Full-time employment for 6 months starts in May/June. \$11-\$14/hour, overtime likely. For best opportunities, apply early. Qualified candidates send resume to Braun Intertec Corp., 11001 Hampshire Avenue S., Mpls., MN 55438. Fax: 952-995-2020. E-mail: Awittnebel@braunintertec.com.

INFORMATION SESSION

Graduate Certificate Program in TRANSPORTATION STUDIES

**MONDAY,
MARCH 8**

6:00–7:00 p.m.

**Room 215
Humphrey Center
301 19th Avenue South
Minneapolis, MN 55455**

To pre-register or for more information, call the College of Continuing Education Information Center at 612-624-4000.

Parking and Directions:
www.hhh.umn.edu/about/contact/parking.htm



Name

Employment/Affiliation

Title/Department

Address

City/State/Zip

Phone

Fax

E-mail

Scheduled Speakers:

- CTS Staff
- Faculty Advisors

**Refreshments
will be served.**

This program is designed for professionals wanting to expand their skills and qualifications, as well as for students looking to explore interdisciplinary studies beyond the scope of their major. The session is open to graduate students, faculty, and practitioners interested in learning more about the process and advantages of pursuing a certificate in transportation. The session is also open to undergraduate students considering an advanced credential upon graduation.

To obtain application materials and additional information about the Graduate Certificate Program, call 612-624-4000 or visit www.cts.umn.edu/certificate.

CTS to hold Grad Certificate info session

Today, transportation issues are more important—and more complex—than ever before. To stay on top of this ever-changing field, take a step toward continuing your education: attend a transportation certificate information session. Learn how going back to school can:

- fit your schedule
- offer the courses and programs you need
- move you toward a graduate degree

When: Monday, March 8

Time: 6:00–7:00 p.m.

Location: Humphrey Institute—Room 215

Parking and Directions:

www.hhh.umn.edu/about/contact/parking.htm

Walk-ins welcome! To pre-register or for more information call the Col-

lege of Continuing Education Information Center at 612-624-4000.

CTS launched the certificate program in 2001 together with the University of Minnesota Graduate School to help transportation professionals expand skills and prepare for leadership opportunities, as well as to provide an additional credential for graduate students.

CTS



Labuz appointed to Kersten chair

Professor **Joseph F. Labuz** has been appointed as the MSES/Miles Kersten Land Grant Chair in Civil Engineering by **H. Ted Davis**, dean of the Institute of Technology, based upon the recommendation of the search committee.

In their recommendation to Dean Davis, the search committee related that “Professor Labuz should be seen as a particularly fitting holder of the MSES/Miles Kersten Chair, inasmuch as he has so ably continued Professor Kersten’s leadership role within the Minnesota geotechnical engineering community. In addition to having developed strong interactions with the pavement and materials groups at the Department of Transportation, he has taken responsibility for continuing the annual Minnesota Geotechnical Engineering Conference that Professor Kersten started over 50 years ago. Professor Labuz also has a strong national and international reputation in the field.”

John Gulliver, CE department head, made the announcement in December. The committee members were Associate Dean **Steven Crouch**, MSES members **Laura Amundson** and **Patrick Golden**, and CE professors **Heinz Stefan** and **Andrew Drescher**. CTS

Freight from page 3

goal of CTS is to continue serving as a resource for the freight and logistics community.

A summary report detailing the entire event will be available from CTS next month. CTS



Upcoming events

To publicize your event, call CTS at 612-626-1077, fax 612-625-6381, or e-mail snopl001@cts.umn.edu. Visit the CTS Web site—www.cts.umn.edu—for more comprehensive event information.

- Feb. 27 52nd Annual Geotechnical Engineering Conference, St. Paul. Visit www.ce.umn.edu/mgs/conf/.
- Mar. 3 Transportation Career Expo, Coffman Union, Minneapolis. Contact **Mindy Jones**, 612-625-1813, jones154@cts.umn.edu.
- Mar. 8 Grad Certificate Information Session, Humphrey Institute Room 215, Minneapolis. Call 612-624-4000.
- Mar. 15 **James L. Oberstar** Forum, Duluth. Visit www.cts.umn.edu/oberstarforum.
- Mar. 17 ITS Minnesota Annual Meeting and Exchange Forum, Four Points Sheraton Minneapolis Hotel. Contact **Heather Dorr**, 612-625-5267, hdorr@cce.umn.edu.
- Mar. 18–19 Concrete Paving Association of Minnesota (CPAM) 43rd Annual Seminar and Workshop, Kahler Hotel, Rochester. Contact **Lisa Hill**, 763-561-0402, lnhill@cpamn.com.
- Mar. 23–24 Northland “How To” Training and Education Workshop, Fargo, N.D. Sponsor: Northland Chapter of American Traffic Safety Services Association. Visit www.atssa.com.
- Apr. 14 Institute of Technology Science and Technology Banquet, Minneapolis Hilton, 5:30–8:00 p.m. Featuring **Charles McQueary**, Undersecretary of Science and Technology, Department of Homeland Security. Call 612-626-1802 or e-mail banquet@it.umn.edu.
- Apr. 27–28 Minnesota Spring Maintenance Training Expo, St. Cloud Civic Center. Contact **Mindy Jones**, 612-625-1813, jones154@cts.umn.edu.
- May 4–5 CTS Fifteenth Annual Transportation Research Conference, Saint Paul RiverCentre. Contact **Heather Dorr**, 612-625-5267, hdorr@cce.umn.edu. CTS