



ITS PULSE

Volume 6
Issue 2
August 2007

What's Inside

President's
Message.....2

Eastern Iowa Winds
Down, Western Iowa
Up Next.....4

Amber +511 in
Nebraska.....5

ITS Assists Iowa DOT
During Winter
Storm.....5

Cameras and
Sensors.....6

Missouri Update.....7

Kansas Update.....9

2007-08 Board of
Directors List.....10

Find us on the
Web:

itsa.org
and
itsheartland.org

2007 Annual Meeting Report

By Dennis Kroeger

The ITS Heartland Eighth Annual Meeting, held April 9 - 11, 2007, was highlighted by a speech from ITS America President Neil Schuster, and an evening cruise along the Missouri River. In all, three general sessions and nine breakout sessions were attended by more than 318 attendees at the Embassy Suites in downtown Omaha. Thirty-five vendors displayed and demonstrated their wares in the exhibition hall. Attendees were also invited to see the Omaha TMC.

President Willy Sorenson called the meeting to order, followed by John Craig, Director of the Nebraska Department of Roads, who welcomed the conference attendees to Omaha. The first general session concluded with a vendor showcase where the participating vendors gave a brief presentation about their equipment and services.

The annual meeting featured breakout sessions that highlighted the various ITS activities in each of the member states. Activities ranging from market ready technologies to legal issues, to operations and maintenance, to weather to AMBER Alerts were presented and discussed with the attendees.

This year's luncheon speakers featured ITS America President Neil Schuster who discussed ITS America's priorities and directions for the future. South Dakota DOT's Dave Huft spoke on the importance that ITS can play in state's priorities.

Following the informational sessions, participants enjoyed informal visits with friends and colleagues at the vendor reception in the ballroom.

Along with the presentations the election of board members was

continued on page 3



More photos from the meeting can be viewed at matc.unl.edu/itsheartland

President's Message

By Tom Dancey

Having recently attended the ITS America Annual Meeting in Palm Springs, I not only acquired a newfound



Dancey

appreciation for our somewhat cooler temperatures and higher humidity here in the Heartland, but also found for myself a renewed enthusiasm for our ITS Heartland Chapter and excitement for what lies ahead for us over the next year.

Willy Sorensen, Leslie Spencer-Fowler and I had the privilege to represent our chapter at the State Chapter Strengthening Workshop. The workshop provided us the opportunity to highlight the many successes of ITS Heartland and exchange ideas with representatives from other chapters. The most obvious difference between our chapter and the other eight candidates for the 2007 Outstanding Chapter Award is the same characteristic that is perhaps our greatest strength--our multi-state partnership. We have many reasons to be proud of our organization, but none more than the forum we provide our members to develop and strengthen alliances with peers beyond our respective state lines. One has to look no further than the

numerous joint projects throughout our region involving multiple states to see evidence of such relationships.

And where else can you find a better venue to make these connections, obtain valuable technical knowledge and see first-hand the latest advances in transportation technology available in the Midwest than our Annual Meetings? Thank you to our wonderful hosts in Omaha for the highly successful Eighth Annual Meeting in April that drew a record attendance of 318 ITS professionals from throughout our region and across the country. Be sure to mark your calendars for the 9th Annual ITS Heartland Meeting in Springfield April 7-9, 2008. Work is already underway to ensure next year's meeting will be one you won't want to miss.

During his address to the delegates in Palm Springs, ITS America President and CEO, Neil Schuster, referring to the September 2009 expiration of SAFETEA-LU, remarked that we should not support a reauthorization. He acknowledged that may sound strange, and went on to explain that what we should be supporting is a new authorization, since advancements in technology allow us to look to the future of transportation in a very new way.

I believe ITS Heartland should help enable that future. According to our mission statement, our chapter was organized to "improve the quality of life for those transportation users who live and invest in America's Heartland Region through advanced transportation technologies and communications." We, too, should look to the future in a new way for our own organization to better equip our members to promote the advancement of ITS in our region.

I encourage all of us to take advantage of the exchange of new ideas, new product information, new training opportunities, and new successes with each other and beyond to legislators and policy-makers that have a key role in shaping the future of our industry. One of the easiest ways to contribute is by sharing information through our ITS Heartland Pulse newsletter and ITS Heartland Beat E-Newsletter. If you have news to pass along, please contact our Chapter Administrator, Valerie Lefler, or any member of the Heartland Board. We are honored to serve you and seek to add value to your ITS Heartland membership as we look to a new future.

See you there...
ITS Heartland
2008 Annual Meeting
April 7-9, 2008
Springfield

ITS Pulse Contributors

Thank you to the vendors and sponsors who supplied articles and photos for this edition.

Coordination: Valerie Lefler, University of Nebraska

Editing, Layout and Design:
 Lisa Behrns, Olsson Associates



Annual Meeting, continued from page 1



held. The new ITS Heartland Board of Directors are:

2007 - 2008 Board of Directors

President:
Tom Dancey
CJW Transportation Consultants

Vice President - President Elect:
Steve Rockers
Kansas Department of Transportation

Secretary:
Troy Pinkerton
Missouri Department of Transportation

Treasurer:
Ray Webb
BWFR

Past President:
Willy Sorenson
Iowa Department of Transportation

Consultant Sector Director:
Mike Malone
Iteris

Vendor Sector Director:
Vacant

Academia Sector Director #1:
Aemal Khattak
University of Nebraska-Lincoln

Academia Sector Director #2 :
Dennis Kroeger
Center for Transportation Research and Education-Iowa State University

Kansas State Director:
Barb Blue
Kansas Department of Transportation

Nebraska State Director:
Jim McGee
Nebraska Department of Roads

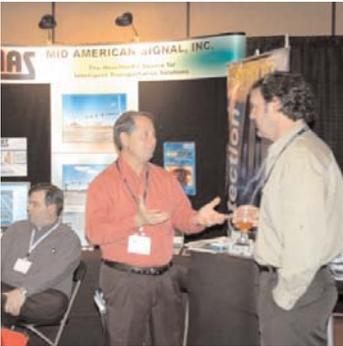
Iowa State Director:
Greg Mulder
Iowa Department of Transportation

Missouri State Director:
Jason Simms
Kansas City Scout

Oklahoma State Director:
Alan Stevenson
Oklahoma Department of Transportation

Ex-Officio FHWA Representative:
Edward Stephen
FHWA Missouri Division

Ex-Officio Chapter Administrator:
Valerie Lefler
Mid-America Transportation Center,
University of Nebraska-Lincoln



More photos from the meeting can be viewed at matc.unl.edu/itsheartland

Eastern Iowa Winds Down, Western Iowa Up Next

By Tony Taylor and Mike Jackson

With the installation of all 27 cameras and 36 sensors in Iowa City and the Quad Cities (Davenport and Bettendorf, Iowa, and Moline and Rock Island, Illinois) nearly complete, the Iowa DOT is looking forward to the completion of its second major ITS deployment project.

According to Mike Jackson, P.E., the Iowa DOT's Project Manager, the Eastern Iowa ITS project is a good example of the cooperative model Iowa DOT has utilized in the past and plans on using in the future.

“Not only have we had a great partner in Illinois DOT, but the local cities and counties have really stepped up to the plate,” said Jackson. “In both project areas the level of cooperation and teamwork exceeded even our already high expectations we had going into the project.”

The cooperation includes utilizing the fiber optic networks and other physical infrastructure of the City of Bettendorf in the Quad Cities, and the City of Iowa City and the University of Iowa in the Iowa City metro area. Additionally, the Iowa DOT has worked out formal agreements with local partner agencies to make them full partners in the day to day operations of the deployed network.

“When we started planning this project it became clear very early in the process that we wouldn't have the resources to staff a TMC on a 24-7 basis,” explained Jackson. “Giving the local jurisdictions' 911 operators and local law enforcement access to our network effectively provided the DOT with the staff we couldn't afford to hire ourselves.”

The Department has worked with local agencies to deliver live streaming-video and control of the cameras to the 911 operators at their work stations.

The dispatchers will also have the ability to choose from a library of messages for display on the overhead and side-mounted DMS located on the freeways in both metro areas.

Jackson explained that although the DOT retains ultimate control of the network, sharing some of the responsibility with the agencies who respond to incidents on the freeway was an easy decision for DOT management.

“We all have the same customers, it doesn't matter if you're DOT, police or EMT; an accident or incident on the freeway affects us all. We train our folks to cooperate with the first-responders on-scene,” said Jackson, “This is just another way for us to make each other more efficient.”

In eastern Iowa, the DOT contracted with Jacobs Engineering for the preliminary engineering, KWS Electric was the prime contractor for the construction of fiber infrastructure, and TransCore ITS was hired for the installation and integration of the technology, network communications and software.

“We hope to take the same approach that has been so successful in Eastern Iowa and try it on our Western Iowa ITS Project,” said Jackson. “We are planning on a full network deployment in the Council Bluffs area and a smaller number of devices in Sioux City.”

The Iowa DOT plans to release a Request For Proposal in mid-August of this year to begin the preliminary engineering and planning for the Western Iowa project.

**Check out
these ATIS
Web sites:**

www.kcscout.net
www.GatewayGuide.com
www.nebraskaI80construction.com
www.safetravelusa.com

www.511ia.org
511.ksdot.org
www.OzarksTraffic.info

AMBER +511 in Nebraska

By Jim McGee

Nebraska officials have paired the Nebraska AMBER Plan with 511 in an outdoor advertising campaign in an effort to bring greater recognition to each program. Nebraska is among the states that can deliver AMBER Alerts across its entire highway system using the 511 Travel Information number. 511 provides motorists and others with more complete information than overhead message boards can provide. Recorded by Nebraska State Patrol officials, the 511 AMBER Alert message is available statewide when an alert is activated by NSP AMBER officers.

The message:

This is an activation of the AMBER Alert System by Nebraska law enforcement. A Child has been abducted from (City, State).

The (law enforcement agency) is looking for a child who was last seen at (location) and is believed to be in danger.

The child's name is (name).

The child is a (age) -year old (gender) with (length, color) hair and was last seen wearing (description of clothing).

The child may be in the company of (name, description, clothing, etc.).

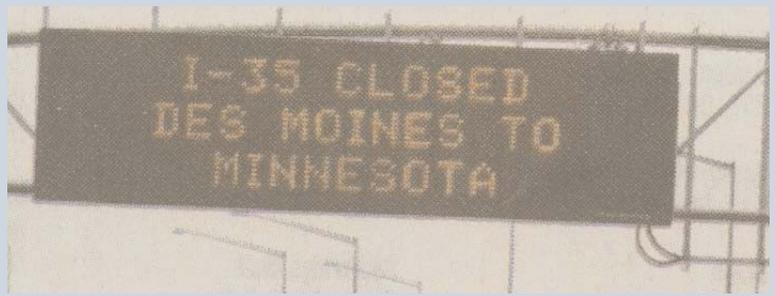
They may be traveling in a (vehicle, make, model, color) that was last seen heading (direction and street, city location).

If you have any information on the whereabouts of (name, description of child), please call 911 Or contact (contact agency) at (phone number) immediately.



Information Saves Lives
*Dial 511 For Highway Info



ITS Assists Iowa DOT During Winter Storm: March 1 - 4, 2007

By Willy Sorenson

The blizzard that affected many of the ITS Heartland states from March 1 to March 4 proved that the ITS is helpful for both internal operations and getting information out to the public.

On February 28, Willy Sorenson, ITS Engineer with the Iowa Department of Transportation, remembers getting a phone call on his way home from work. "We are in for a large winter storm and they want us to be part of a conference call at 8 p.m. tonight to discuss messages on DMS," said Bill Kreinbring, District 1 Senior Technician, to Sorenson. Needless to say, both Kreinbring and Sorenson participated in the call and discovered what was about to hit Iowa later that night.

Beginning at 4 a.m. the next day, and continuing for the next four days, Kreinbring, Sorenson and other DOT staff operated Dynamic Message Signs (DMS) across Iowa to update the public on what roads were closed and where to get information.

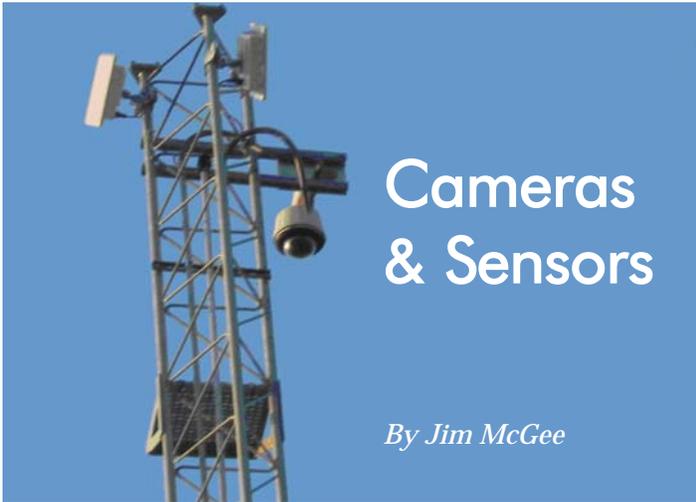
"This was a great test of the

Iowa DOT's ITS system," Sorenson said after the storm was over. "We found areas that worked great and some that needed to be enhanced or upgraded."

One item, DMS, proved to be more valuable than previously anticipated. So much so, that additional DMS outbound metro area locations will be considered. Generally, existing DMS are located for in-bound metro traffic only. The Iowa DOT is also looking into doubling the number of phone lines available on the 511 information system.

Another successful example of ITS was during the opening of I-80 in Des Moines. Iowa DOT Director Nancy Richardson was able to watch the convoy of DOT snow plows and truckers via DOT cameras in comfort of the Emergency Operations Center in Johnston, Iowa.

Partnerships between Missouri, Nebraska and South Dakota also proved useful when permanent DMS and portable DMS were placed in key positions to warn drivers of the closed roads in Iowa.



Cameras & Sensors

By Jim McGee

Cameras

- NDOR District 2 has deployed 25 Closed Circuit TV cameras along Interstate-80, freeways, and expressways at key locations, including major junctions.
- NDOR cameras are intended for traffic management, incident management and advance travel information purposes.
- The NDOR District 2 Operations Center will manage and control Closed Circuit TV cameras deployed on facilities managed by the Nebraska Department of Roads, including Interstate-80 through Omaha.
- NDOR will not engage in the long-term archiving of Closed Circuit TV video images.
- NDOR operators and authorized users will select a camera from the Closed Circuit TV menu and will manage, control, and display multiple Closed Circuit TV cameras, including Pan-Tilt-Zoom functions and manual camera functions.
- NDOR cameras will simultaneously display all cameras up to the number of monitors in the District Operations Center.
- NDOR operators will be able to display full motion video from Closed Circuit TV cameras to any combination of work stations and display monitors within the District Operations Center.
- Individual camera identification numbers will be displayed.
- NDOR cameras will have 16 pre-set Pan-Tilt-Zoom positions.
- DOC operators and authorized users will have full Pan-Tilt-Zoom and iris control.

- Closed Circuit TV camera users must have authorized access and priority control.
- Media will have access to NDOR camera images for re-use.
- The cost to access NDOR Closed Circuit TV images will be born by the re-user.
- The NDOR logo will be displayed on all Closed Circuit TV cameras and must be included by re-users.

Sensors

- NDOR District 2 has installed 48 speed sensors along Interstate-80 and metro area freeways and expressways under the jurisdiction of the Nebraska Department of Roads, including Interstate-80, 480, and 680.
- The sensors are spaced at 1-1.5 mile intervals.
- Measurements from the traffic sensors will automatically measure traffic volume and speeds.
- DOC operators will receive an alarm when sensors indicate that traffic speeds drop or volume rises.
- The NDOR roadway travel information web page will be updated to reflect changes provided by sensor data.
- District Operations Center software will update the NDOR traffic conditions map with measurements from sensors on a frequency of once per minute with data that has been collected two minutes prior.

Source: *Functional Req.*

Missouri Update

By Jason Sims

Intelligent Transportation System's in Missouri are vibrant and alive with three transportation management centers serving St. Louis, Kansas City, and the Springfield/Ozarks areas. In addition, there is a statewide DMS project underway with the completion date of August 17, 2007, that will provide 48 DMS signs on I-70 and I-44. The DMS will be used for incident management for the two major corridors, as well as for



amber alerts statewide.

Gateway Guide is MoDOT's traffic management system for the greater St. Louis metropolitan

area. The system harnesses a wide range of technology to improve roadway efficiency, enhance traffic safety, and reduce congestion.

It includes:

- A 24/7/365 Transportation Management Center (TMC)
- A full-service, real-time traffic information web site that provides timely reports on traffic, crashes and any active construction projects. The site reports work zones, traffic crashes or incidents, and traffic speeds. Additionally, the site provides real-time snapshot images from interstate cameras that are updated every 60 seconds.
- A network of over 85 cameras and 150 centerline miles of traffic sensors to quickly pinpoint traffic incidents and slowdowns on interstates. This network allows MoDOT employees to quickly respond to the incident on the scene and by providing information to other travelers on interstate slowdowns ahead.
- A fleet of highly trained motorist assist operators who work hand in hand with local law enforcement agencies and private towing agencies to keep traffic moving. Motorist Assist operators provide valuable traffic control assistance during an incident and can help change tires, provide fuel and perform other minor, short term repairs.
- Partnerships with local media outlets to provide real-time video, updated traffic and incident information and media releases on expected construction work to inform the public.
- Other tools, including travel times posted on DMS

boards, Smart Work Zones, improved highway mile markers and emergency response crews to reduce congestion and manage traffic.

- A voice-operated, 511 traffic information telephone number to give the public access to real-time information around the clock.

Some of the current activities on Gateway Guide are:

- Expanding the CCTV, DMS, and communication network on area interstates
- Projects to install updated communication capabilities and CCTV's on arterials and incorporating those signal systems into an advanced management application (ACTRA)
- Completing the vehicle detection coverage of all area interstates in partnership with Traffic.com
- Providing Customer Service support to District 9 and District 10 and will be increasing that support to include District 7 and District 8 by September 2007
- Upgrading the Mobile Emergency Response Operations Center (MEROCC trailer), training users and competing "active duty" readiness training
- Adding new features to the Gateway Guide web site
- Awarding a contract for ITS Maintenance by July 2007
- Completing the regional coverage for the CCTV, DMS, and communication network
- Completing additional arterial expansion projects to install updated communication capabilities and CCTV.

Kansas City Scout is a regional bi-state traffic management system jointly operated by Kansas



and Missouri Departments of Transportation. Scout was designed to lessen traffic congestion and manage traffic flow by decreasing the response time to accidents and stalled vehicles, clearing affected lanes faster. The 24/7, 365 day a year system covers over 100 miles of highway and is comprised of 105 closed-circuit cameras, 36 dynamic message signs and more than 2000 vehicle detectors. Scout operators use the cameras and sensors to monitor the roadways looking for traffic obstructions created by accidents, stalled vehicles, dead animals or debris impeding the flow of traffic.

continued on page 8

Missouri Update, continued from page 7

Kansas City Scout's success is largely based on its effective partnerships with all the media outlets in the region, law enforcement/public safety agencies and Motorist Assist operations from both states. Scout has a comprehensive, real time web site (www.kcscout.net) that provides work zone, traffic crashes/incident, and DMS messaging information. The site provides real-time snapshot images from the cameras that update every 30 seconds. Streaming video from Scout's cameras will be available on the web site in late 2007.

By the end of 2008, Kansas City Scout will have added the following additional ITS devices: 7 new cameras along I-470, 8 new cameras, 2 dynamic message boards, and vehicle detection along I-435 south of I-70, 12 new cameras and 4 new dynamic message boards along I-29, I-35, and I-435 in the north Kansas City region, 11 new cameras, 2 dynamic message boards, and vehicle detection along I-635 in Kansas, 9 new cameras along I-435, I-35, K-10, and Highway 69 in the southwest region of Kansas City.

Some of Kansas City Scouts current activities:

- Kansas City Scout launched Travel Times system-wide, a key weapon in congestion management in January of 2007. Travel Times represents the time it takes a driver, driving at current freeway speeds to travel from one fixed point to another target. Scout's Travel Times are calculated using the vehicle detector station (VDS) equipment in the roadway. Travel Times are displayed on selected DMS boards during the weekday peak periods from 6 a.m. to 10 a.m. and again from 3 p.m. until 7 p.m., with additional utilization during heavy congestion, incidents, and adverse weather.
- Also on March 1, 2007, William "Rusty" James started in Scout as the first Incident Management Coordinator in the Kansas City Region. Rusty's background involves a 30-year law enforcement career, and a strong safety initiative background. Rusty has already begun to develop change in the MA operation for Kansas and Missouri, as well as see new partnerships and commitments from Law Enforcement agencies in the Kansas City Metropolitan Area.
- Increasing Customer Service support in Missouri. Scout will cover Districts 1, 2, 3, and 5 after hours and on weekends.
- Traffic, web alerts, and streaming video will be provided to PDA's, pagers and cell phones in late 2007.



Springfield's **Transportation Management Center (TMC)** was established in 1998 by the City of Springfield and Missouri Department of Transportation (MoDOT). City and State personnel work side-by-side at the TMC coordinating traffic flow in the metro area.

Within the TMC, city and state personnel utilize the citywide computerized traffic signal system, closed-circuit real-time traffic monitoring camera system, and other useful equipment to address changes in traffic flow patterns and respond to incidents that occur throughout the transportation system. Using the traffic cameras, TMC operators can monitor the flow of traffic along major arterials throughout the city. When incidents such as crashes or stalled vehicles occur, TMC operators can relay valuable information to 911 operators who dispatch emergency response personnel to the scene. TMC operators can also modify the traffic signal programming, if necessary, in an effort to alleviate the impact of such incidents to the flow of traffic.

TMC staff is on duty weekdays from 6:30 a.m. to 6 p.m.

Some of Ozarks Traffic's current activities:

- **ATMS Software Project:** This project is on hold, waiting to evaluate proposals on June 27, to determine what firmware we are going to use to make MIST work for our needs.
- **Field Deployment Project:** Receiving preliminary plans for Phase 1 and Phase 2 deployment shortly. Ledstar DMS boards will be for both arterial and freeway. Sensys will be utilized for arterial detection and microwave/radar for freeway detection. Installing approximately 60 CCTVs, and are testing the newest Cohu CCTV that allows for more upward visibility on an interchange project. Evaluating the product to determine its benefit in locations where vertical height changes are a challenge.
- **Ozarks Traffic TMC:** MoDOT is conducting a space needs evaluation and estimating a cost to build a freestanding facility, as negotiations on an existing facility are underway.

Kansas Update

By Barb Blue and Shari Hilliard

Construction in Full Swing

Construction will begin this summer for two different expansion projects of the Kansas City Scout traffic management system, jointly operated by KDOT and MoDOT. The first project will expand Scout coverage to include I-635 (installation of Dynamic Message Signs (DMS), cameras, and vehicle detection). The 2nd project will add nine additional cameras along on I-435, K-10, I-35, and US-69. In Wichita, design of a traffic management system is scheduled to begin this summer.

KDOT will also begin construction of its first rural deployments of DMS in 2007. A total of ten signs will be installed near Salina and Junction City. KDOT has expanded its fiber coverage along the western part of I-70 and is continuing to upgrade its 800 MHz radio system to support future ITS deployments.

511 Record Usage Results in Millionth Call Milestone

Kansas 511 has experienced record usage over the past year, primarily due to weather. Daily and storm event call volume records were broken during the historic winter storm that raged in western Kansas over New Year's when travelers made almost 65,000 calls to 511 on December 31, 2006. Almost 133,000 calls came in during the storm, December 29 - January 2, 2007. One of the calls received on December 31 marked the millionth call to 511 since it began in January 2004. Nearly 23,500 calls were received from May 6 - 9 while tornadoes and rain storms that caused flooding raged in 20 counties in Kansas.

KDOT continues to enhance the Kansas 511 System to improve traveler information provided. System enhancements in the works include voice upgrades; a dynamic landmark database that will establish landmark references (versus mile markers) for every mile of the State Highway System; full automation of construction/detour information and AMBER Alert information; and the addition of metro content for the greater Kansas City metropolitan area.

KDOT's goal is to provide information for the greater Kansas City metropolitan area on Kansas 511, and they are in active discussions with MoDOT and other

regional stakeholders about 511 for Kansas City. Mid America Regional Council (MARC) planning calls for a Kansas City regional 511 that is interoperable between Kansas and Missouri. KDOT plans call for not only expanded regional coverage, but enhanced content such as travel times and transit.

Wi-Fi Pilot Deployed June 1, 2007

KDOT launched a one-year pilot with Coach Connect from Austin, Texas, to provide Wi-Fi connectivity at four Kansas rest area locations. Upon successful completion of the pilot, future plans call for providing Wi-Fi at all 42 rest areas across Kansas at no cost to KDOT.

This project provides travelers with free access to a Kansas traveler information portal that also includes traveler information in all neighboring states, and generic Internet access for a fee. Free internet connectivity will also be available for designated highway safety personnel.

Coach Connect has been very pleased with the initial usage at the pilot sites, despite limited promotion to date. No negative impacts to pilot-site rest area locations are known to date.

ATIS Study/Strategic Plan Nearing Completion

KDOT kicked off an ATIS Study in July 2006 that will result in an ATIS Strategic Plan for Kansas. The Draft Plan was presented on July 19, 2007, to project team members, and the final Plan should be completed by August 2007. The purpose of the plan is to recommend strategies and direction for KDOT to attain the goal of further developing an ATIS in Kansas that is a cost-effective, integrated extension of ITS which will focus on improving traveler access to consistent, accurate and timely information.



ITS Heartland Chapter

c/o Mid America Transportation Center • University of Nebraska – Lincoln
P.O. Box 22976 • Lincoln, NE 68542-2976 • www.itsheartland.org
Phone: (402) 472-1974 • Fax: (402) 472-0859

2007- 2008 Board of Directors

President

Tom Dancey
CJW Transportation Consultants
5051 S. National Avenue, Suite 4-110
Springfield, MO 65810
Phone: (417) 889-3400
Fax: (417) 889-3402
E-Mail: tdancey@gocjw.com

Vice President – President Elect

Steve Rockers
Kansas Department of Transportation
700 SW Harrison St., 11th Floor
Topeka, KS 66603-3754
Phone: (785) 296-1004
Fax: (785) 296-4302
E-Mail: SRockers@ksdot.org

Secretary

Troy Pinkerton
Missouri Department of Transportation
2211 St. Mary's Blvd
Jefferson City, MO 65102
Phone: (573) 526-0123
Fax: (573) 526-0120
E-Mail: Troy.Pinkerton@modot.mo.gov

Treasurer

Ray Webb
BWR
903 E. 104th Street, Ste. 900
Kansas City, MO 64131
Phone: 816-363-2696
Fax: 816-363-0027
Mobile: 816-547-9163
E-Mail: rwebb@bwrcorp.com

Past President

Willy Sorenson
Iowa Department of Transportation
800 Lincoln Way
Ames, IA 50010
Phone: (515) 239-1212
Fax: (515) 817-6655
E-Mail: willy.sorenson@dot.iowa.gov

Consultant Sector Director

Mike Malone
Iteris
701 P Street, Suite 302
Lincoln, NE 68508-0000
Phone: (402) 476-5101
Fax: (402) 476-5102
E-Mail: msm3@iteris.com

Vendor Sector Director

Andrew Morrow
Traffic Technologies
4754 Lyndale Avenue North
Minneapolis, MN 55430-3638
Phone: (612) 521-2122
Fax: (612) 521-1022
E-Mail: andrewm@traffic-technologies.com

Academia Sector Director #1

Aemal Khattak
University of Nebraska-Lincoln
W330 NH
Lincoln, NE 68588-0531
Phone: (402)472-8126
Fax: (402) 472-0859
E-Mail: akhattak2@unl.edu

Ex-Officio Newsletter Editor

Steve Ingracia
Olsson Associates
1111 Lincoln Mall
Lincoln, NE 68508
Phone: (402) 458-5943
E-Mail: singracia@oaconsulting.com

Academia Sector Director #2

Dennis Kroeger
Center for Transportation Research and Education
2711 S. Loop Drive, Suite 4700
Ames, IA 50010-8664
Phone: (515) 296-0910
Fax: (515) 294-0467
E-Mail: kroeger@iastate.edu

Kansas State Director

Barb Blue
Kansas Department of Transportation
700 S.W. Harrison, 2-West
Topeka, KS 66603
Phone: (785) 291-3818
E-Mail: bblue@ksdot.org

Nebraska State Director

Jim McGee
Nebraska Department of Roads
1500 Nebraska Highway 2
Lincoln, NE 68509
Phone: (402) 479-3878
Cell: (402) 450-8189
Fax: (402) 479-3771
E-Mail: jimmcgee@dor.state.ne.us

Iowa State Director

Greg Mulder
Iowa Department of Transportation
615 E 14th St.
Des Moines, IA 50316
Phone: (515) 237-3317
E-Mail: greg.mulder@dot.iowa.gov

Ex-Officio Web Site Administrator

Dennis Kroeger
CTRE- Iowa State University
2711 S. Loop Drive #4700
Ames, IA 50010
Phone: (515) 294-8103
Fax: (515) 294-0467
E-Mail: kroeger@iastate.edu

Missouri State Director

E. Jason Sims
Kansas City Scout
600 NE Colbern Rd.
Lees Summit, MO 64086
Phone: (816) 622-0528
E-Mail: ervin.sims@modot.mo.gov

Oklahoma State Director

Alan Stevenson
Oklahoma Department of Transportation
200 NE 21st St.
Oklahoma City, OK 73105
Phone: 405-521-6460
Fax: 405-605-2865
Mobile: 405-919-6573
Email: astevenson@odot.org

Ex-Officio FHWA Representative

Edward Stephen
FHWA Missouri Division
209 Adams Street
Jefferson City, MO 65101-3203
Phone: (573) 638-2610
Fax: (573) 636-9283
E-Mail: Edward.Stephen@fhwa.dot.gov

Ex-Officio Chapter Administrator

Valerie Lefler
Mid-America Transportation Center
University of Nebraska-Lincoln
W338 Nebraska Hall
Lincoln, NE 68588-0530
Phone: (402) 472-1974
Fax: (402) 472-0859
E-Mail: vlefler2@unl.edu