### Schedule-at-a-Glance

#### Monday, September 17th

<table>
<thead>
<tr>
<th>Time</th>
<th>SAFETY TRACK</th>
<th>GRITS TRACK</th>
<th>GENERAL SESSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 AM</td>
<td>Registration/Breakfast/Vendor Area Opens</td>
<td>Opening Session</td>
<td>Vendor Showcase</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>LUNCH (Speaker - Scott Belcher, ITS America)</td>
<td></td>
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</tr>
<tr>
<td>1:00 PM</td>
<td>Session S1: Lessons Learned: Responding to Natural Disasters</td>
<td>Session GRITS1: GRITS Region State-of-the-State</td>
<td>Session A1: Multi-Agency Coordination: Leveraging Resources and Improving Services for the Traveling Public</td>
</tr>
<tr>
<td>2:30 PM</td>
<td>BREAK</td>
<td>BREAK</td>
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<tr>
<td>4:30 PM</td>
<td>ADJOURN</td>
<td>ADJOURN</td>
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#### Tuesday, September 18th

<table>
<thead>
<tr>
<th>Time</th>
<th>SAFETY TRACK</th>
<th>GRITS TRACK</th>
<th>GENERAL SESSIONS</th>
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</thead>
<tbody>
<tr>
<td>7:30 AM</td>
<td>Registration/Breakfast/Vendor Area Opens</td>
<td></td>
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</tr>
<tr>
<td>8:30 AM</td>
<td>S3: Emergency Responder Day Opening Session: Discussion of Emerging Topics in the Field of Incident Management and Emergency Response</td>
<td>Session GRITS3: Smarter Work Zones</td>
<td>Session C1: Status and Applications of Connected Vehicle Technology</td>
</tr>
<tr>
<td>10:00 AM</td>
<td>BREAK</td>
<td>BREAK</td>
<td></td>
</tr>
<tr>
<td>12:00 PM</td>
<td>LUNCH (Speaker - Rick Cleveland, Mississippi Sports Hall of Fame and Museum)</td>
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<tr>
<td>1:00 PM</td>
<td>S5: Rural and Emergency Response Initiatives from US DOT and the Transportation Safety Advancement Group (TSAG)</td>
<td>Session GRITS5: What is Good TIMS?</td>
<td>Session E1: Leadership Development: Managing Your Staff for Success</td>
</tr>
<tr>
<td>2:30 PM</td>
<td>BREAK</td>
<td>BREAK</td>
<td></td>
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<tr>
<td>3:00 PM</td>
<td>Vendor Showcase</td>
<td>Vendor Showcase</td>
<td>Vendor Showcase</td>
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<tr>
<td>4:30 PM</td>
<td>Rural SIG Meeting</td>
<td>Professional Tour: Mobile, AL Traffic Management Center</td>
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#### Wednesday, September 19th

<table>
<thead>
<tr>
<th>Time</th>
<th>TRAINING</th>
<th>TRANSIT TRACK*</th>
<th>GENERAL SESSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 AM</td>
<td>Registration/Breakfast</td>
<td></td>
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</tr>
<tr>
<td>8:30 AM</td>
<td>Introduction to Integrated Corridor Management (ICM) Deployment</td>
<td>Session T1: Reporting to the National Transit Database</td>
<td>Session F1: Vendor Technology Session - Cutting Edge Technology for Your Needs (Part A)</td>
</tr>
<tr>
<td>10:00 AM</td>
<td>BREAK</td>
<td>BREAK</td>
<td></td>
</tr>
<tr>
<td>10:15 AM</td>
<td>Introduction to ICM Deployment (continued)</td>
<td>Session T2: Rural Transit Applications in Connected Vehicles</td>
<td>Session G1: Vendor Technology Session - Cutting Edge Technology for Your Needs (Part B)</td>
</tr>
<tr>
<td>12:00 PM</td>
<td>LUNCH</td>
<td>ICE CREAM SOCIAL</td>
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<tr>
<td>12:30 PM</td>
<td>Golf Tournament</td>
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<tr>
<td>1:00 PM</td>
<td>Session T3: Transit’s Use of Social Media</td>
<td>ENTERPRISE Meeting**</td>
<td></td>
</tr>
<tr>
<td>2:30 PM</td>
<td>BREAK</td>
<td>BREAK</td>
<td></td>
</tr>
<tr>
<td>4:30 PM</td>
<td>ADJOURN</td>
<td>LUNCH</td>
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</tbody>
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*The Transit Track continues on Thursday, September 20th with the Community Coordination Transportation Workshop

**The Enterprise group will continue meeting on Thursday, September 20th.
**Important Notes & Site Map**

**Assistance** - If you have questions or need assistance during the conference, please look for conference staff wearing nametags with blue ribbons. They will be happy to assist you.

**Registration Desk** - The registration desk will be open all four days of the conference in the Conference Center Lobby Area (see the following pages for times). If you have questions regarding sessions or activity meeting times/places, please feel free to stop and ask for assistance. You can also phone us (toll-free) at 1-866-633-8110.

**Nametags** - Nametags allow attendees and guests entrance to all applicable conference sessions, meals and activities. Please have your nametag with you at all times.

**Rest and Recharge!** Thanks to Vaisala, we will have a comfortable spot for attendees to take a break, charge up their electrical devices and return some of those important emails. Look for the couches and chairs in the Conference Center Lobby and stop to put your feet up!

**Conference T-shirts & Bags** - T-shirts have been provided as a special gift courtesy of Deep South Communications. Open Roads Consulting has also graciously donated the conference bags. Pick up both when you register.

**Door Prizes** - Thanks to our vendors and sponsors, we have assembled a wide variety of door prizes. These prizes will be handed out during meals throughout the conference. Prizes include: memory sticks/thumb drives, shirts, backpacks, gift certificates, pocket knives, GPS receiver, iPod shuffle and more (prizes are on display next to the registration desk)! How do you become eligible? Collect only 40 vendor stamps/signatures as shown on the vendor map found in your registration packet, fill out your name and return to the registration desk! It couldn’t be easier!

**Special Door Prize** - We will be offering a Samsung Galaxy Tab 2 (7-Inch, Wi-Fi) as a special door prize. To enter, look for the entry form in your registration packet. Have it signed by one of the Mississippi DOT van staff on Monday, September 17th and return to the registration desk. The van will be located on the patio outside the Roasted Bean (look for signs) following the Opening Session.

**Activities** - If you wish to attend an activity, but did not sign up previously on your registration form, please speak to the staff at the registration desk. A limited number of seats are still available for some activities. However, attendance will be granted on a first-come, first-served basis.

**Proceedings** - Presentations from the conference will be made available on the conference website - [http://www.nritsconference.org](http://www.nritsconference.org). It is anticipated that proceedings will be available by September 30, 2012.
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Agenda

Sunday, September 16, 2012

4:00 - 8:00 pm
REGISTRATION, Conference Center Lobby Area (2nd Floor)

The Registration Desk will open at 4:00 pm and remain open until 8:00 pm. Attendees are invited to stop by and pick up their registration packets prior to attending the Opening Reception.

4:00 - 8:00 pm
VENDOR SETUP, Magnolia Ballroom

Vendors are asked to setup their exhibits in the Magnolia Ballroom during this time. Staff will be on hand to help you locate your exhibit space and answer any questions you might have.

6:00 - 8:00 pm
OPENING RECEPTION, Pavilion - pool deck overlooking the ocean

This event sponsored by InLine

Attendees and guests are invited to join us pool side for the regional themed Opening Reception. Overlooking the ocean, enjoy hors d’oeuvres from 6:00-8:00 pm while socializing with other conference attendees and guests as we begin another great National Rural ITS Conference & GRITS Annual Meeting! A cash bar will also be available.
Monday, September 17, 2012

7:00 am
REGISTRATION, Conference Center Lobby
Attendees should pick up their registration packets (if they have not already done so) prior to attending breakfast.

7:30 am
BREAKFAST, Magnolia Ballroom
A full breakfast buffet will be served each day. This breakfast sponsored by Gresham, Smith and Partners

7:30 am
VENDOR AREA OPENS, Magnolia Ballroom
Please note the following Vendor Show hours:
• Monday, September 17th, 7:15 am - 4:45 pm
• Tuesday, September 18th, 7:30 am - 3:00 pm

8:30 am
OPENING SESSION, Camellia Ballroom
Welcome
• AJ Holloway, Mayor, Biloxi
• Melinda McGrath, Executive Director, Mississippi Department of Transportation
Keynote
• Kate Hartman, ITS Joint Program Office, USDOT
Sponsor Recognition
Presented by Jonathon Fox, ABMB Engineers, Inc./Stantec and GRITS Chapter President

2012 Best of Rural ITS Awards
Presented by Scott Belcher, President, ITS America and Steve Albert, Director, Western Transportation Institute and Rural SIG Chair

2012 Best of GRITS Awards
Presented by Jonathon Fox, GRITS Chapter President
Transportation leaders will provide forward-looking insight into the transportation funding bill as well as national transportation initiatives.

10:00 am
VENDOR SHOWCASE, Magnolia Ballroom
Many exhibitors will be onsite sharing the latest breakthroughs in technology. As an attendee, you can peruse the exhibits, network and interact right up until lunch.

11:45 am
LUNCH, Magnolia Ballroom
This lunch sponsored by Neel-Schaffer, Inc. and RouteMatch Software
Introductions by Joerg “Nu” Rosenbohm, ITS America

Student Scholarship Awards
Linda Dodge, ITS Joint Program Office, USDOT
Luncheon Speaker
Scott Belcher, ITS America

1:00 pm
CONCURRENT SESSIONS

SAFETY TRACK
Session S1: Lessons Learned: Responding to Natural Disasters (roundtable), Azalea C
Moderator: Jake Wimberley, Thompson Engineering
Presenters:
• Frank Revitte, Warning Coordination Meteorologist, National Weather Service
• Bob Chapman, Emergency Services Director, Mississippi Department of Transportation
• Willie Huff, Law Enforcement Director, Mississippi Department of Transportation

Over the past few years, and as recently as the last six months, several large-scale natural disasters have wreaked havoc across the globe, killing tens of thousands of people and displacing millions more. As we meet in the region touched by Hurricane Isaac and Hurricane Katrina, we will discuss best practices and procedures learned and utilized from responding to these natural disasters. This roundtable will bring together experts from many of the disciplines most closely associated with disaster response and recovery – incident management, law enforcement, EMS and others.
GRITS TRACK
Session GRITS1: GRITS Region State-of-the-State,
Camellia A
Moderator: Rodney Chester, Gresham, Smith & Partners

Presenters:
• Mike Stokes, Mississippi Department of Transportation
• Chris Hilyer, Alabama Department of Transportation
• Steve Glascock, Louisiana Department of Transportation

This session will include an overview and update from each of the three GRITS member states of Louisiana, Mississippi, and Alabama, highlighting the current status of each state’s respective ITS program. It will include discussions of completed and ongoing projects as well as future initiatives and planned deployments. Topics specifically discussed will be the status of each state’s ATMS deployment as well as dialogue regarding the potential for regional coordination opportunities. This session is intended to provide participants with an insightful look into each state’s current ITS program plus future planned ITS initiatives in the Gulf region.

Session A1: Multi-Agency Collaboration: Leveraging Resources and Improving Services for the Traveling Public, Camellia B
Moderator: Mike Haas, Haas Systems
Doug Galarus, Western Transportation Institute

The WSRTC - An Implementers Pooled Fund to Tackle the Challenges of Rural ITS
Mike Stokes, Mississippi Department of Transportation
Mississippi River Bridges ITS Tiger III Project Incident Management, Freight Management and Security Project

The multi-state Western States Rural Transportation Consortium facilitates and enhances safe, seamless travel throughout the western United States via innovative partnerships, technologies, and education. Come learn about the work completed to date by its incubator and spinoff projects, including: analysis and recommendations for optimization and deployment of web-based projects, radar speed sign deployment guidance, evaluation of the Fredonner Pass icy curve warning system, One Stop Shop for rural traveler information, WeatherShare, Integration of aviation AWOS with RWIS, Automated Safety Warning Controller, and more. Also in this session, Mississippi’s Tiger III program. This innovative ITS project is for the design and construction of an integrated bridge, highway and river monitoring and information dissemination system at and around four Mississippi River Crossings. Once constructed, three partner states will collaboratively operate and manage this system to the benefit of all transportation users in the region.
Session A2: CVO: Improved Operations Equates to an Improved Economy, Azalea D
Moderator: Bill Legg, Washington State DOT
Kate Hartman, ITS JPO, USDOT
ITS Technologies for CVO Efficiency
Jon Jackels, Minnesota Department of Transportation Office of Traffic, Safety, and Technology
Evaluation of a Truck Priority System
Zhitong Huang, Mississippi State University
Estimated Economic Impacts of Hurricane Katrina on Transportation Systems in Mississippi

The efficient movement of goods is a must for any economic recovery. This session will examine how Hurricane Katrina affected goods movement and the subsequent economic impact, methods of improving the operation of heavy trucks through traffic signal controlled intersections on rural two-lane two-way highways and ITS technologies that are improving CVO efficiency.

Session A3: RWIS: Continued Evolution to Meet Needs, Azalea B
Moderator: Jeff Dogan, FHWA-Alabama
Ray Murphy, USDOT/FHWA
Road Weather Management Best Practices Library, Version 3.0
Ben Hershey, Iteris/Meridian Environmental Technology, Inc.
Use of Mobile Sensors and Maintenance Decision Support for Automated Road Condition Reporting
John Hansen, 2 ITS-Help
Use of RWIS for Rural Transportation Operations: Bringing Maintenance Operations Together in a Rural Setting

Road Weather Information Systems (RWIS) have grown by leaps and bounds in the past decade and their impact on road maintenance cannot be understated. This session will provide an overview of resources available to decision makers and project managers through FHWA’s Road Weather Management Program via their newly updated Best Practices Library as efforts continue to improve road maintenance.

Attendees will also learn of the North/West Passage Pooled Fund project’s efforts to research the capabilities of mobile sensors and MDSS to supplement or replace manual reporting that is now required in most states. The presentation for this project will summarize the best practices of deploying and using mobile sensors, including successful deployments that are in operation today, and what can be learned by approaches that did not succeed.

Lastly, the necessity of operations to know and report on road condition coupled with maintenance crews need to respond to certain weather events has lead to increased collaboration between the two entities – maintenance and operations. This presentation will look at the technology, data and applications utilized by these two departments both seeking to address the common goal of keeping our highways open to the traveling public.

2:30 pm
BREAK, Magnolia Ballroom
2:50 pm
CONCURRENT SESSIONS

SAFETY TRACK
Session S2: Rural ITS Safety Initiatives: The Next Generation, Azalea C
Moderator: Janelle Borgen, WSB & Associates
Ginny Crowson, Athey Creek Consultants
Developing Consistency in ITS Safety Solutions - Intersection Conflict Warning Systems Phase 2
Vijay Sabawate, University of Wyoming
Rural Variable Speed Limits
Jon Jackels, Minnesota Department of transportation
Work Zone Accident Reduction Deployment

Rural adaptations of technology once considered strictly urban, continues to move forward. This session will examine three projects – Intersection Conflict Warning Systems, Rural Variable Speed Limits and Work Zone Accident Reduction.

Dynamic intersection conflict warning systems have been developed and tested for several years now. Unfortunately, no specific guidance in regard to design or evaluation has been developed. In recognition of this the ENTERPRISE Transportation Pooled Fund program brought together organizations that have deployed these systems to exchange information on their experiences. This presentation will share this information now published as “Design and Evaluation Guidance for Intersection Conflict Warning Systems”.

Variable speed limits have historically allowed Traffic Management Center (TMC) operators in urban regions to change the speed limits in response to varying conditions. Thereby, bringing down the speed deviations among the vehicles, decreasing the number of crashes and increasing speed compliance rates. This presentation will look at a project to implement a Variable Speed Limit (VSL) system on a rural interstate in Wyoming to improve safety, speed compliance and reduces closure frequency.

Lastly, Minnesota DOT will give a presentation describing their ongoing MnDOT project that concerns Work Zone Accident Reduction Deployment (WZARD). This project will provide innovative dynamic systems to improve traffic safety during snow and ice operations and other work zones caused by planned maintenance operations or in response to incidents or traffic enforcement activities.

GRITS TRACK
Session GRITS2: Adaptive Systems or Applications in Traffic Management, Camellia A
Moderator: Chris Hilyer, Alabama Department of Transportation

Presenters:
• Stacey Glass, Alabama Department of Transportation
• Adam Moser, Gresham, Smith and Partners
• Habib Shamshkhou, Stantec
• Laurence Lambert, Stantec

This session will be an overview of the state of the practice in adaptive systems as well as provide examples of current and planned deployments in the gulf region. Particular attention will be given to adaptive signal systems in urban areas and major arterials in the region. Discussions regarding adaptive interstate systems, i.e. ramp metering or dynamic speed limits, will be included. Planned projects as well as relevant before and after studies will be discussed giving participants insight into the benefits and costs of these adaptive system projects, which are gaining momentum in the gulf region.

Session B1: Strategies and Outlook for ITS Financing
Camellia B
Moderator: Steve Albert, Western Transportation Institute

Presenters:
• Kevin Barron, Digital Traffic Systems
• Linda Dodge, ITS JPO/USDOT
• Marshall Elizer, Gresham Smith & Partners

There are many key factors to consider when maximizing device performance and value. Choices made in any of these key areas have a significant impact on the life-cycle cost of each installation; but none more so than in the area of device maintenance. Choose well and your costs can be minimized; choose poorly and you may find that your cost to operate and maintain each field device far exceeds your budget and manpower. This session will discuss several innovative ITS maintenance strategies to improve system availability and reduce overall cost as well as ITS program changes at the national level.

A panel discussion will wrap up this session focusing on what is emerging at the local, state and national level in terms of ITS financing.
2:50 pm
CONCURRENT SESSIONS (continued)

Session B2: Commercial Vehicle Operations, Azalea D
Moderator: Acey Roberts, Mississippi Department of Transportation
Nan Tarlton, Mississippi Department of Transportation and David Jackson, Intelligent Imaging Systems
Smart Roadsides – the Common Denominator for Enforcement and Industry

Sgt. Ira Whitehead, Alabama Department of Public Safety
E-Weights
Dan Middleton, TTI
Managing Oversize/Overweight Load Movements in Texas

This session will offer some unique insights into managing and overseeing CVO weights including electronic screening and permitting systems.

Through a CVISN grant, Mississippi implemented a Smart Roadside Inspection System (SRIS) that uses technology to weigh, inspect and check the credentials of commercial vehicles without stopping them. The SRIS allows MDOT to better utilize their resources by focusing on “risky” commercial vehicles. MDOT has also brought this vehicle to the conference for attendees to view on Monday, September 17th near the Rustic Bean Patio.

Additional presentations will look at managing oversize/overweight permit loads and Alabama Department of Public Safety’s approach to CVO weights.

Session B3: Need to talk? Solutions to Communication Problems in Remote Areas, Azalea B
Moderator: Wayne Curry, Inline
Mick Horner, Department of Planning, Transport and Infrastructure
Road Condition Signs - Automation
Joe Gillis, Delcan Corporation
Fiber Optic Stimulus Project + Rural ITS Tools = Benefits for the North Georgia Mountains
Doug Galarus, Western Transportation Institute, MSU
Augmented Speed Enforcement (aSE) Smart Drums (sDrums) from a Technical Perspective, Part 2 - Deployment

What do the north Georgia mountains and southern Australia have in common? Communication challenges! This session will look at how different agencies (national and international) are using fiber optic, wireless, etc. to solve some of the most challenging communications problems in some very remote regions of the world.

4:30 pm
Adjourn

5:45 pm
Coast Cruise and Dinner
Attendees and guests who registered for this activity will enjoy an evening aboard the Gulf Islander for a 2.5-hour cruise across the shallows of the Mississippi Sound and out to the clear green waters of the Gulf of Mexico. While enjoying the live band and southern style buffet watch out for Atlantic bottlenose dolphins frequently seen playing in the wake of the boats or feeding on mullet and menhaden near the island beaches. Boarding will begin at 5:45 pm in the Bus Lobby.
REPUTATIONS ARE BUILT.

A company should be measured by what it accomplishes, not by what it promises. Today, with the capability to bring our expertise to bear in any stage of a project’s lifecycle, our goal remains the same - to help our customers succeed. This is why more people are turning to us to get it done.

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7:00 am  
REGISTRATION, Conference Center Lobby  
Attendees should pick up their registration packets (if they have not already done so) prior to attending breakfast.

7:30 am  
BREAKFAST, Magnolia Ballroom  
A full breakfast buffet will be served each day. This breakfast sponsored by Temple, Inc.

7:30 am  
VENDOR AREA OPENS, Magnolia Ballroom  
This is the last full day to visit with vendors. Take advantage of the opportunity!

8:30 am  
CONCURRENT SESSIONS

SAFETY TRACK  
Session S3: Emergency Responder Day Opening Session: Discussion of Emerging Topics in the Field of Incident Management and Emergency Response (Sponsored by ITS America), Azalea C  
Moderator: Adam Hopps, ITS America  
Presenters:  
- Bob Murphy, AECOM  
- Dia Gainor, National Association of State EMS Officials  
- TBA

At the 2011 ITS World Congress and the 2012 ITS America Annual Meeting, ITS America brought together emergency responders and traffic operators for multiple sessions that focused specifically on emergency response and traffic incident management. With more regional and National Emergency Responder Days planned, ITS America will share emerging ideas in the field of emergency response and plans for future Emergency Responder Days.

GRITS TRACK  
Session GRITS3: Smarter Work Zones, Camellia A  
Moderator: Carla Holmes, Gresham Smith & Partners  
Presenters:  
- Steve Strength, Louisiana Department of Transportation and Development  
- Capt. Carl Saizan, Louisiana State Police  
- Jacob Benfield, Stantec  
- Ray Murphy, USDOT/FHWA

This session will include an overview of several smart work zone deployments or planned deployments as well as provide insight into local and regional experiences regarding daily interactions with motorists traveling in construction zones. It will include recent studies on smart work zones and observed trends along with payment or contracting methods for installations. This session will also highlight any uniquely observed challenges or circumstances managing traffic flow and motorist safety in these environments.

Session C1: Status and Applications of Connected Vehicle Technology, Azalea D  
Moderator: Bob Koeberlein, Idaho Transportation Department  
Chris Hill, Consultant  
NCHRP Project

Dan Lukasik, Delcan  
Connected Vehicle Dynamic Mobility Applications for INFLO

Ben Pierce, Battelle  
Recent Deployments of a Cooperative Intersection Collision Avoidance System (CICAS)-Stop Sign Assist System

Additional Panelist:  
Kate Hartman, ITS JPO/USDOT

Have you considered the applications and impacts of Connected Vehicle on your agency? This session will present the results of NCHRP 03-101 Project: Costs and Benefits of Public Sector Connected Vehicle Deployment. It will also look at applications under USDOT’s Intelligent Network Flow Optimization (INFLO) as well as the status of research and development associated with this effort.
Session C2: 511 and Traveler Information Systems, Camellia B
Moderator: Julie Theisen, Iteris/Meridian Environmental Technology
Jon Jackels, Minnesota Department of Transportation Office of Traffic, Safety, and Technology
Development of Travel Time for Rural Interstate During Construction on I-35
Li Zhang, Mississippi State University
I-55 Integrated Diversion Traffic Management Benefit Study
Bill Legg, Washington State Department of Transportation
The Next Era of Traveler Information

Over the last decade, 511 telephone and web services have been deployed in many states and provinces with some agencies already deploying second generation systems. This session will look at (1) how traveler information is being used to provide travel time to motorists on a rural freeway containing multiple construction projects; and (2) how the ENTERPRISE Transportation Pooled Fund program is helping agencies understand how real-time traveler information technology and use is changing and how the changes are impacted by current and emerging trends with dissemination mechanisms and data management practices.

10:00 am
BREAK, Magnolia Ballroom

10:20 am
CONCURRENT SESSIONS

SAFETY TRACK
Session S4: Emergency Responder Day - Real-time Applications for Emergency and Traffic Incident Management (Sponsored by ITS America), Azalea C
Moderator: Nu Rosenbohm, ITS America
Peter Davis, Castle Rock Consultants
Implementing Urgency and Probability of Injury Algorithms (CARS-Mayday)
Ben Schooley, University of South Carolina
Overview of CrashHelp

We’ll focus on two software applications, CARS-Mayday and CrashHelp, and how they use real-time information to assist traffic operators and emergency responders to allow EMS teams and trauma centers to provide critical care as quickly as possible.

GRITS TRACK
Session GRITS4: Improving Highway Safety with ITS Camellia A
Moderator: Jonathan Fox, Stantec
Instructor: Cheryl Lowrance, Noblis

The session will cover how deployment of ITS at the highway system, as part of a highway improvement project or stand-alone project, serves to improve highway safety. It includes an evaluation of ITS applications used in improving safety, example case studies and also reviews procedures and requirements for safety strategic planning and the ITS deployment process. This session draws on participant interaction and experiences while laying out necessary organizational and individual level actions for potential ITS and safety collaboration in the future.
Session D1: Culture Changes within State DOTs: Shifting to an Operations Paradigm, Azalea D
Moderator: Bob Arnold, FHWA

Presenters:
- Elizabeth Birriel, Florida Department of Transportation
- Pam Kordenbrock, FHWA - Tennessee
- Elizabeth Delaney, P.E., Louisiana Department of Transportation and Development
- Matt Smith, Michigan Department of Transportation

State transportation agencies are faced with a wide variety of global and domestic events and trends - economic, environmental, political, safety, social, and technological - that present new challenges and opportunities. The rate at which various issues and events are complicating the preservation, operation, and improvement of transportation system elements is accelerating. State departments of transportation (DOTs) increasingly find themselves competing with other societal priorities for limited financial resources. In response to shrinking operating budgets, many DOTs are downsizing as well as developing and implementing new service delivery systems that involve the private sector in unfamiliar ways. At the same time the nation’s congestion continues to increase.

FHWA has begun an initiative to reduce highway congestion through better operating the highway network. This initiative builds on the thought that we can do more to operate the transportation system so that it performs better to meet customer expectations regardless of the demands placed on it. Better approaches to operations on the transportation network is a viable and effective strategy to help improve traffic flow and meet growing travel demands. As better operations becomes a strategy more fully applied to transportation, it will require rethinking of how services are delivered to those who depend on the transportation system, including how organizations are organized and aligned. Effectively addressing the congestion problem will hinge on the ability to reshape traditional transportation organizations into “21st century operations agencies using 21st century technologies”.

Session D2: Innovative Approaches to Rural Traffic Management, Camellia B
Moderator: Marshall Elizer, Gresham, Smith & Partners

Tony Leingang, Washington Department of Transportation
Multi-agency Coordination for Direct Storm Management with Limited Resources
Reggie Chandra, Rhythm Engineering
Rural Applications of Adaptive Traffic Signal Control
Li Zhang, Mississippi State University
Intersection Queue Management Plan Based on Video Detection System

This session will examine how three different states are deploying traffic management applications. From addressing intersection congestion through examination of signal timing options via a CORSIM Stimulator to rural applications of adaptive traffic control systems, agencies are looking at innovative ways to solve traffic problems as cost effectively as possible.

Attendees will also hear about Washington State DOT’s interagency coordination efforts for major storm management. Their new approach directly supports good traveler information delivery at the TMC through ITS field devices, the WSDOT website, and 511 traveler information systems.

For those individuals interested in TMCs the GRITS
track will also offer a TMC Session (What is Good TIMS) following this session. A professional tour to the Mobile, Alabama TMC will depart at 2:45 pm.

12:00 pm
LUNCH, Magnolia Ballroom
This lunch sponsored by ABMB Engineers/Stantec and DETEL

Luncheon Speaker
Rick Cleveland, Mississippi Sports Hall of Fame and Museum

1:00 pm
CONCURRENT SESSIONS

SAFETY TRACK
Session S5: Rural and Emergency Response Initiatives from US DOT and the Transportation Safety Advancement Group (TSAG), Azalea C (Sponsored by ITS America)
Moderator: Adam Hopps, ITS America
Ted Smith, Battelle
Rural Safety Innovation Program
Linda Dodge, ITS JPO, USDOT
R.E.S.C.U.M.E.
TSAG Members
TBA

Transportation Safety Advancement Group (TSAG)
Model Emergency Response Components for State and Local Transportation Plans

Transportation Safety Advancement Group (TSAG)
Emergency Interoperability Communication Plan for the Integration of ITS Technologies into the Next Generation 9-1-1 Architecture

This session will feature updates on several initiatives and projects ranging from nearing completion to projects just underway. Please join us to share your expertise and experience on a wide range of activities taking place in the Emergency Response field.

GRITS TRACK
Session GRITS5: What is Good TIMS, Camellia A
Moderator: John Gilligan, URS

Panelists:
- Terry Sneed, Forrest County EMA
- Capt. Walter Pitts, Harrison County Sheriffs
- Major Jimmy O’Banner, MHP Southern Region
- Captain Chris Williams, Troop M Brookhaven
- Lt. Eugene Little, Acting Troop Commander Troop K Gulfport
- Gary Millsaps, Delcan
- Tom McAllister, Mississippi Emergency Management Agency
- Tracy Pharr, Mississippi Emergency Management Agency

In order to most effectively make use of existing ITS infrastructure and investments to Traffic Management Center (TMC) operations, many agencies seek the answer to - What constitutes good Traffic Incident Management? In answering this question, this session will feature success stories from a variety of perspectives, open dialogue and inter-agency interaction. It will include a multi-disciplinary panel of emergency responders, TMC staff, and others involved in traffic incident management. Several short presentations will also highlight successful experiences in data and information exchange, communications and coordinated responses to major events or other incidents.

Session E1: Leadership Development: Managing Your Staff for Success, Azalea D

Speaker: Roger Shields, Neel-Schaffer, Inc. (Introduced by Mark Bailey, Neel-Shaffer, Inc.)

In order to be a successful engineer, you must manage your staff as well as you manage projects. This presentation will give you the tools to lead an organization or a department; understand yourself and your staff including generational differences; developing an appropriate leadership style to fit the situation; using effective communication techniques and motivation.
1:00 pm
CONCURRENT SESSIONS (continued)

Session E2: Connected Vehicle Safety Initiatives, Camellia B
Moderator: Dean Deeter, Athey Creek Consultants

Panelists:
• Elizabeth Birriel, Florida Department of Transportation
• Matt Smith, Michigan Department of Transportation
• Kate Hartman, ITS JPO, USDOT

While much has been done related to urban applications for connected vehicles, fewer and farther between are successful rural projects. This roundtable (panel) session will look at rural focused connected vehicle safety initiatives - how they worked and what do they mean for the future?

2:30 pm
BREAK, Magnolia Ballroom
Vendor show closes at 3:00 pm

2:45 pm
CONCURRENT MEETINGS/TOUR

Mobile, Alabama TMC and Tunnel Tour
For those individuals who have signed up, please meet in the Bus Lobby of the Beau Rivage for loading into the bus for the tour. Note that a box dinner will be provided following the tour in Mobile. We anticipate that you will return to Biloxi by 7:00 pm.

Tour:
The Alabama Department of Transportation’s Ninth Division ATS Center is made up of our Transportation Management Center (TMC), Bankhead Tunnel facilities, and Wallace Tunnel facilities. The Bankhead Tunnel was completed in 1942, and was visually monitored by special security guards and Toll Booth Operators 24/7/365. When the Wallace Tunnel was completed in 1972, many of these security guards and Toll Booth Operators were trained on how to monitor 40 B/W cameras covering both the Bankhead Tunnel and the Wallace Tunnel, along with all of the pumps, fans, lights, etc., associated with the tunnels. This 24/7/365 monitoring was accomplished by the installation of a very small “Control Room” in the East Ventilation Building of the new Wallace Tunnel. These new “Tunnel Operators” and “Asst. Tunnel Operators” monitored these cameras and devices along with patrolling the areas adjacent to the tunnels.

In 1995, there was a severe auto accident involving hundreds of cars on the I-10 Bayway. This accident was directly related to low visibility conditions (fog). After this incident, the monitoring responsibilities of the “Control Room” were extended to include a low visibility warning system located on the Bayway and the associated cameras, changeable speed limit signs, and Dynamic Message Signs that were installed to support this system.

Over the next few years, more cameras, weather stations, message boards, etc. were added to this system. To accommodate this expansion, in 2004, a new TMC was constructed that is currently housing all of our ITS operations.

Our TMC continues to operate 24/7/365. And with plans for continued expansion North on I-65, East and West on I-10, and South along AL 59, we are again at a stage of needing to accommodate our growing facilities. There are currently projects in the works to install a new video wall, upgrade our existing Programmable Logic Controller (PLC) system, continue to extend our fiber backbone, install ALDOT’s new ATMS software, and install several more cameras/DMS signs/RVD’s/Changeable Speed Limit Signs.

This tour will provide attendees a look at both the TMC and the tunnel facilities.
3:00 pm
Rural SIG Meeting, Azalea D
The ITS America Rural Special Interest Group (SIG) will hold a meeting at this time. An agenda follows:

*Introductions and round-table discussion on what is “new and exciting.”*

Linda Dodge, RITA
*On-going Federal activities related to rural community*

Steve Albert, Rural SIG Chair, WTI
*Report and Discussion of Rural ITS Champion Award*

Steve Albert, Rural SIG Chair, WTI
*Discussion of Lifetime Achievement Award*

Bill Legg, WSDOT
*Discussion of future conference themes/focus and future conference sites.*

This meeting concludes at 4:00 pm.

3:00 - 5:00 pm
Vendor Teardown

2:30 - 9:00 pm
**Kayaking.** Your adventure begins with the Institute for Marine Mammals Studies Dolphin presentation then off to paddle with a partner in a two person kayak exploring the Bernard Bayou, and finish off the night with dinner at the Back Bay Seafood Restaurant. This private tour will depart from the main lobby doors of the Beau Rivage at 2:30 pm and return to at approximately 8 pm.

2:45 - 5:00 pm
**Biloxi Historical Tour.** Enjoy the sights of Old Biloxi from an air conditioned 19 passenger bus. This narrated tour will take you to famous Biloxi landmarks such as Old Biloxi Cemetery, Biloxi Lighthouse, Marlin Miller’s Wood Carvings and the Katrina Memorial. You will also get a guided tour of Beauvoir, The Jefferson Davis Home, last home of the President of the Confederacy and the place where he penned his memoirs. Then off to the Half Shell Oyster House (dinner is at your own expense entrees are about $11-$30 each) for a Southern Dinner and a short walk back to the Beau Rivage. This private tour will depart from the main lobby doors of the Beau Rivage at 2:45 pm, and after the tour you will be dropped off at the Half Shell Oyster House less than 1/2 mile from the Beau Rivage (we anticipate that we will arrive at the Half Shell Oyster House at 5:00 pm).

1:20 - 9:00 pm
**Biloxi Charter Fishing Deep Sea Fishing.** Set sail for 4.5 hours of fun and fishing with Biloxi’s most experienced charter fishing family and at the end of the day they will even clean your catch! Then you’re off to The Fil-lin’ Station where they will fry up your catch of the day for around $11.00 a plate (dinner is at your own expense). A van will pickup attendees from the main lobby doors of the Beau Rivage at 1:20 pm and return at approximately 9:00 pm.

INDIVIDUAL ACTIVITIES

Note that activity departure times are staggered, please look carefully at the below schedule to ensure your readiness. Note: If you wish to attend an activity, but did not sign up in advance, please check with the Registration Desk regarding availability.
Wednesday, September 19, 2012

7:00 am
REGISTRATION, Conference Center Lobby

Attendees should pick up their registration packets (if they have not already done so) prior to attending breakfast.

7:30 am
BREAKFAST, Magnolia Ballroom

8:30 am
CONCURRENT SESSIONS/TRAINING

Introduction to ICM Deployment, Magnolia H
(Note that this is a half-day course and will continue until lunch.)

Instructors: Paul Olsen, FHWA and Cheryl Lowrance, Noblis

ICM is a game changer in the world of multimodal transportation. A growing number of congested corridors recognize ICM as “a next logical step” to improving safety and mobility, building on advancements in ITS deployment, institutional collaboration, and active management strategies over the past decade. Through the USDOT’s ICM Initiative, eight Pioneer Sites have explored what it means to truly integrate systems and operations along multimodal corridors. Two of these sites are preparing now to demonstrate ICM in 2013, which will shed further light on the benefits of ICM. An array of knowledge and technology transfer (KTT) resources is available to practitioners through the ICM Knowledgebase.

The USDOT’s Research and Innovative Technology Administration (RITA) is offering an Introduction to ICM Deployment workshop at ITSA State Chapter meetings across the country through its Professional Capacity Building Program (PCB). This workshop targets transportation planners, managers and engineers at state and local agency levels, who are interested to learn more about ICM. Participants will learn what it means to operate a multimodal corridor in a truly “integrated” fashion; how to devise strategies that are both “integrated” and “active”; how to define meaningful and measurable “corridor-level” goals and objectives; how to engage the full array of multimodal stakeholders in the vision for ICM; and gain insight into each major phase of the ICM life cycle such as the development of an ICM concept of operations and requirements, rooted in the proven systems engineering process.

TRANSIT TRACK

**The transit track begins today and will continue through Thursday, September 20th.

Session T1: Reporting to the National Transit Database (training), Magnolia G

Instructor: Lauren Tuzikow, Federal Transit Administration

The most recent surface transportation law, SAFETEA-LU (The Safe, Accountable, Flexible, and Efficient Transportation Equity Act: A Legacy for Users), added a requirement for recipients of Federal Transit Administration (FTA) Rural Formula Grants (Section 5311 Grants) to report to the NTD. With the 2012 updates in place, State Departments of Transportation are responsible for reporting to the NTD on behalf of their subrecipients. Also reporting directly to the NTD are the Indian Tribes in the Tribal Transit Program.

A representative from FTA will provide an overview of the NTD reporting process, followed by a line-by-line discussion of the reporting requirements. This session will also cover common data trouble spots and issues to aid in the submission of the Rural NTD reports. In this interactive session, plenty of time will be allotted for questions on specific issues from the attendees. Presenting the session will be Lauren Tuzikow from FTA, who coordinates the Rural NTD for FTA.

This session will benefit anyone involved with Rural NTD reporting, including representatives from State Departments of Transportation, individual rural transit subrecipients, and Tribal Transit grant recipients reporting directly to the NTD.
Session F1: Vendor Technology Session - Cutting Edge Technology for Your Needs (Part A), *Magnolia F*

Moderator: Tim Bean, Mississippi Department of Transportation

Jeremy Duensing, Telvent DTN
*Geospatial Weather Decision Support for Transportation Applications*

Michael Volling, Sensys Networks
*SolorConnect Delivers Accurate Critical Traffic Data with Minimal Infrastructure*

Jon Tarleton, Vaisala, Inc.
*Mobile Weather Data in Rural America*

Dan Dietrich, Flir Systems, Inc.
*Changed to Thermal cameras for ITS Applications*

Frank Gutierrez, High Sierra Electronics, Inc.
*IceSight: Remote Road Surface Condition Sensor*

John Mueller & Tim Brennan, ADDCO
*Revolutionary Brick Modular Dynamic Message Sign*

This session was set aside to provide vendors an opportunity to present equipment, service or technology specific information to conference attendees. Four companies will be presenting in this session (additional presentations will follow in Part B).

10:00 am
**BREAK, Magnolia Ballroom**

10:15 am
**CONCURRENT SESSIONS/TRAINING**

Introduction to ICM Deployment, *Magnolia H*(continued)

See 8:30 am time slot for description....

**TRANSIT TRACK**

Session T2: Rural Transit Applications in Connected Vehicles, *Magnolia G*

Moderator: Gwo-Wei Torng, Noblis

Yehuda Gross, USDOT
*Next Generation Mobility Management in Connected Vehicle Environment*

Li Zhang, Mississippi State University
*Coordination of Connected Vehicles and Transit Signal Priority on Transit Evacuations*

Todd Allen, RouteMatch Software
*Today’s Connected Vehicles Technologies Applied and Adapted for Emergency Situations*

How are Connected Vehicle technologies being applied to transit? This session will look at next generation mobility management systems and an adaptive TSP system to facilitate transit-based evacuation based on the U.S. DOT’s Connected Vehicle Initiative.

Session G1: Vendor Technology Session - Cutting Edge Technology for Your Needs (Part B)

Moderator: Laura Hartley, Gresham Smith & Partners (invited)

Wayne Curry, Inline
*Wireless Networks to Communicate with ITS Devices*

Bruce Winner, Citilog
*Video Incident Detection*

Jackie Jameson, Twincrest Technologies
*Wavetronix Smart Sensor Matrix*

Marwan Abboud, ARCADIS US.
*T2 Analytics*

Joel Shindeldecker, Traffic Vision
*Incident Detection and Data Collection*

TBA, Econolite
*Detection Solutions Autoscope & RTMS*

This session was set aside to provide vendors an opportunity to present equipment, service or technology specific information to NRITS attendees.
Wednesday, September 19, 2012

11:30 am
Golf Tournament - Fallen Oaks
Sponsored by GEC, Inc.

1:30 pm tee time. This will be a four person best ball golf scramble on a 7,487 yard, par 72 championship course designed by Tom Fazio – Fallen Oak. Included are green fees, practice range and cart as well as complimentary non-alcoholic beverages and snacks while on the course. A group caddy gratuity is also provided on behalf of golfers (if you have an outstanding caddy, feel free to give him a little extra). Transportation is provided from the resort to the golf course beginning at 11:30 am (meet at the main lobby doors of the Beau Rivage). Staggered departures will continue through 12:00 pm. A box lunch will be provided.

12:00 pm
LUNCH, Magnolia A-D

12:30 pm
Ice Cream Social, Magnolia A-D
Thanks for coming to the conference! Note: Some meetings and the Transit Track continue through Thursday, September 20th.

This event sponsored by Atkins Global and GEC, Inc.

I scream, you scream, we all scream for ICE CREAM! What’s a party without ice cream? Immediately following our Wednesday luncheon, all attendees are encouraged to come celebrate and network with colleagues at our Ice Cream Social. There will be a wide selection of flavors and toppings to choose from.

1:00 pm
CONCURRENT MEETING/TRANSIT TRACK

TRANSIT TRACK
Session T3: Transit’s Use of Social Media, Magnolia G
Moderator: Sean Campbell, California Department of Transportation
Susan Bregman, Oak Square Resources, LLC
Finding Friends, Fans, and Followers: How Transit Agencies Use Social Media
TBA
TBA

The challenge to any transit system is making users and potential users aware of all services. Among other messages, attendees will hear a presentation summarizing the findings from TCRP Synthesis Report 99, Uses of Social Media in Public Transportation, which explores use of social media among transit agencies in the United States and Canada.

2:30 pm
Break, outside of Magnolia E/F

2:45 pm
TRANSIT TRACK
Coast Transit Authority Professional Tour
Please meet outside the main lobby doors of the Beau Rivage. A Coast Transit Authority bus will pick up attendees.

The tour of the Biloxi Transit Center intermodal center would include the following:
• Trolley bus shuttle from conference site to the CTA Biloxi Transit Center
• A discussion about the function of the intermodal facility and how CTA uses technology to serve the rural areas of its service area
• A tour of the facility
• Static display of demand response bus equipped with on board work assignment computer
• Trolley bus shuttle from the Biloxi Transit Center to the conference site
Community Transportation Coordination Workshop

**Important** The Community Transportation Coordination Workshop will be held at the Four Points Biloxi - a short walk from the Beau Rivage.

This workshop, hosted by the United States Department of Transportation ITS Joint Program Office, invites all conference participants who are interested in coordinating community transportation services utilizing ITS, especially in rural communities. Built upon the lessons learned from the Mobility Services for All Americans (MSAA), the workshop aims to promote knowledge and information sharing on innovative community transportation practices and the usage of ITS technologies. Please come and join your colleagues to hear the community transportation coordination in action, share the latest news and provide your thoughts on this very important subject.

7:30 – 8:00 am
Continental Breakfast

8:00 – 8:30 am
Welcome and Workshop Overview
  • Kevin Coggin, Executive Director, Costal Transit Authority, Gulfport, MS
  • Yehuda Gross, USDOT, Washington, DC

8:30 – 9:00 am
USDOT Update: United We Ride (UWR) and Mobility Services for All Americans (MSAA) Initiatives
  • Yehuda Gross and Doug Birnie, USDOT, Washington, DC

9:00 – 9:30 am
Complete Trip – a Transit-Driven Movement toward a Seamless Total Travel Experience
  • Marlene Connor, Wendel, Holyoke, MA

9:30 – 10:00 am
Practical Paths and Technologies for Regional Coordination Success
  • Doug Wood, Rhode Island Public Transit Authority RIPTA, Providence, RI

10:00 – 10:15 am
Break

10:15 – 10:45 am
Coordinating Transit Services in Missouri using ITS Technologies
  • Tracy Walkup, OATS, Columbia, MO

10:45 – 11:15 am
Coordinating Medicaid Trips from a Broker’s Perspective
  • Bruce Brown, LKLP Community Action Council, Hazard, KY

11:15 – 11:45 am
Aiken SC TMCC Model Deployment
  • Dana Luttrull, Lower Savannah Council of Governments, Aiken, SC

11:45 am – 12:15 pm
Aiken TMCC Evaluation – Preliminary Results
  • Chris Armstrong, SAIC, McLean, VA

12:15 – 1:00 pm
Lunch

1:00 – 1:30 pm
Camden County NJ TMCC Model Deployment
  • Jerome Phillips, CCWIB, Camden County, NJ
  • Robert Schiavinato, UOSS, Camden County, NJ

1:30 – 2:00 pm
TMCC Lessons Learned from Central Florida
  • Doug Jamison, Lynx, Orlando, FL

2:00 – 2:30 pm
TMCC “How-To” Guide – Participants Discussion
  • Brendon Hemily, Consultant, ITS America

2:30 – 3:00 pm
USDOT Connected Vehicle Research for Transit
  • Yehuda Gross, USDOT, Washington, DC
  • Gwo-Wei Torng, Noblis, Washington, DC

3:00 – 3:15 pm
Closing
  • Yehuda Gross, USDOT, Washington, DC
ABMB Engineers has joined Stantec, one of North America’s leading professional engineering, planning, and design firms with approximately 12,000 employees operating out of more than 190 locations in North America and 4 locations internationally.

As part of Stantec, our combined transportation, traffic and infrastructure engineering sectors will be more comprehensive, with a broader geographic presence and access to more service specialists.

Stantec is a leader in the research and application of leading edge Intelligent Transportation Systems (ITS) solutions and the design and deployment of ITS systems, TMC operations, and support infrastructure. Expertise in ITS technology includes the field integration of Closed Circuit Television (CCTV) surveillance systems; automated incident detection systems; dynamic message signing; driver information displays; and vehicle-to-roadside communication systems.

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