2013 National
Highway-Rail Grade Crossing
Safety Training Conference

Hilton Fort Worth
Fort Worth, Texas

NOVEMBER 3–6, 2013
The following organizations have generously sponsored events throughout the conference. We thank them for their contributions, continued support and participation in the conference.

Exhibitors for the National Highway-Rail Grade Crossing Safety Training Conference are always welcome. We hope that you will visit with them and allow them the opportunity to show their stuff! Your 2013 exhibitors are:

CTC, Inc.
D&D Technologies
HiRail Corporation
Lightguard Systems
LT Resources
Railroad Chaplains

Redflex
S&C Distribution
TKDA
Tavla Solutions
Texas A&M Transportation Institute/
Center for Transportation Safety
SUNDAY | NOVEMBER 3, 2013

2:00 p.m. – 5:00 p.m.   Exhibitor Set-Up  
                        West Promenade

2:00 p.m. – 7:00 p.m.   Conference Registration Desk Open  
                        West Promenade

6:00 p.m. – 8:00 p.m.   Exhibitors Welcome Reception  
                        West Promenade

MONDAY | NOVEMBER 4, 2013

7:30 a.m. – 5:00 p.m.   Conference Registration Desk Open  
                        West Promenade

7:30 a.m. – 5:00 p.m.   Exhibit Area Open  
                        West Promenade

7:30 a.m. – 8:00 a.m.   Continental Breakfast (Sponsored by Norfolk Southern)  
                        West Promenade

8:00 a.m. – 9:30 a.m.   PLENARY SESSION: Opening/Welcome  
                        Crystal A
                        
                        **Session Moderator:**  
                        **Steve Roop,** Assistant Agency Director,  
                        Texas A&M Transportation Institute

                        **Councilman Jungus Jordan,** District 6, City of Fort Worth

                        **Erik Steavens,** Rail Division Director,  
                        Texas Department of Transportation

                        **Mark Schulze,** Vice President, Safety, Training and Operations Support, BNSF Railway

                        **Video Address:**  
                        **Joseph Szabo,** Administrator, Federal Railroad Administration

9:30 a.m. – 10:00 a.m.   BREAK (Sponsored by KCS)  
                        West Promenade

10:00 a.m. – Noon   PLENARY SESSION: Interconnected Crossings  
                    Crystal A
                    
                    **Session Moderator:**  
                    **Rick Campbell,** President, CTC, Inc.

                    **Stopped on the Tracks and No Place to Go**  
                    **Rick Campbell,** President, CTC, Inc.

                    **Finding the Hidden Indicators that You Have a Problem**  
                    **Carolyn Cook,** Regional Crossing Manager, Federal Railroad Administration

                    **Challenges and Issues of Implementing a Preemption Program**  
                    **Susan Kirkland,** Retired, Safety Program Manager,  
                    Ohio Rail Development Commission

                    **Public Perception**  
                    **Scott Allbritton,** Rail Safety Programs, Florida Department of Transportation

                    **California Preemption Program**  
                    **Daren Gilbert,** Manager, Rail Transit and Crossing Branch,  
                    California Public Utilities Commission
Noon – 1:20 p.m.  LUNCH (Sponsored in part by CTC, Inc.)  
Crystal BC  

**Session Moderator:**  
Steve Roop, Assistant Agency Director,  
Texas A&M Transportation Institute  

*Distracted Driving and Voice-to-Text Research*  
Christine Yager, Associate Transportation Researcher,  
Texas A&M Transportation Institute  

1:30 p.m. – 3:00 p.m.  **PLENARY SESSION: Energy Development and the Impact on Highway-Rail Crossings**  
Crystal A  

**Session Moderator:**  
Doug Woods, Senior Manager, Industry and Public Projects,  
Union Pacific Railroad  

**Panelists:**  
Buck Russel, Manager, Public Safety, Union Pacific  
Darin Kosmak, Deputy Director, Rail Division,  
Texas Department of Transportation  
Rick Van Wey, Manager of Field Safety Support, BNSF Railway  

3:00 p.m. – 3:30 p.m.  **BREAK** (Sponsored by KCS)  
West Promenade  

3:30 p.m. – 5:00 p.m.  **3 CONCURRENT BREAKOUT SESSIONS:**  

**BREAKOUT 1: Investigation and Enforcement Issues**  
Citizens ABC  

**Session Moderator:**  
Jeff Warner, Associate Transportation Researcher,  
Texas A&M Transportation Institute  

*Enforcement Program Updates*  
James Kveton, Deputy Chief, Elmhurst Police Department  
*Union Pacific Railroad Programs*  
Steve Lazzari, Manager, Public Safety, Union Pacific Railroad  

3:30 p.m. – 5:00 p.m.  **BREAKOUT 2: Light Rail, Transit and Commuter Rail**  
Texas AB  

**Session Moderator:**  
Tom Domres, Manager, Engineering, MetroTransit  

*Grade Crossing and Safety Initiatives of MAP-21*  
Frank Frey, Acting Director, Safety and Oversight Division,  
Federal Transit Administration  

*The West Corridor, Working with Federal Transit Administration and the Public Utilities Commission*  
Paul Von Fay, Rail Deputy Project Manager,  
Denver Regional Transportation District  

*Southwest Light Rail Project*  
Tom Domres, Manager, Engineering, MetroTransit
3:30 p.m. – 5:00 p.m.  **BREAKOUT 3: Developing and Sustaining Education Programs**  
Crystal A  
**Session Moderator:**  
Steve Neubauer, Director, Field Safety Support, BNSF Railway  
**Building Effective Public Advocacy Organizations**  
Dr. Lanny F. Wilson, MD, Founder of the DuPage Railroad Safety Council  
**Operation Lifesaver Updates Its Rail Safety Education Delivery:**  
*Who is OLAV?*  
Wende Corcoran, Vice President, Operation Lifesaver, Inc.  
Sally Tingle, Executive Director, Texas Operation Lifesaver

### TUESDAY

**MONDAY NOVEMBER 4, 2013 (continued)**

7:30 a.m. – 5:00 p.m.  **Conference Registration Desk Open**  
West Promenade  
7:30 a.m. – 5:00 p.m.  **Exhibit Area Open**  
West Promenade  
7:30 a.m. – 8:00 a.m.  **Continental Breakfast** (Sponsored by BNSF Railway)  
West Promenade  
8:00 a.m. – 9:30 a.m.  **3 CONCURRENT BREAKOUT SESSIONS:**  
**BREAKOUT 4: Crossing Consolidations: Current Government and Rail Industry Initiatives**  
Crystal A  
**Session Moderator:**  
Richard Washington, Region 5 Crossing Manager, Federal Railroad Administration  
**Why Closure Should Be Considered**  
Cheryl Townlian, Manager, Public Projects, BNSF Railway  
**Crossing Consolidation under the Section 130 Program – How to be Successful**  
Jason Field, National Grade Crossing Project Manager, Moffatt & Nichol  
**Louisiana Department of Transportation and Development’s Crossing Closure Program**  
Bill Shrewsberry, Louisiana Department of Transportation and Development

**TUESDAY NOVEMBER 5, 2013**

7:30 a.m. – 5:00 p.m.  **Conference Registration Desk Open**  
West Promenade  
7:30 a.m. – 5:00 p.m.  **Exhibit Area Open**  
West Promenade  
7:30 a.m. – 8:00 a.m.  **Continental Breakfast** (Sponsored by BNSF Railway)  
West Promenade  
8:00 a.m. – 9:30 a.m.  **3 CONCURRENT BREAKOUT SESSIONS:**  
**BREAKOUT 4: Crossing Consolidations: Current Government and Rail Industry Initiatives**  
Crystal A  
**Session Moderator:**  
Richard Washington, Region 5 Crossing Manager, Federal Railroad Administration  
**Why Closure Should Be Considered**  
Cheryl Townlian, Manager, Public Projects, BNSF Railway  
**Crossing Consolidation under the Section 130 Program – How to be Successful**  
Jason Field, National Grade Crossing Project Manager, Moffatt & Nichol  
**Louisiana Department of Transportation and Development’s Crossing Closure Program**  
Bill Shrewsberry, Louisiana Department of Transportation and Development
8:00 a.m. – 9:30 a.m. **BREAKOUT 5: Utilizing Data to Improve Crossing Safety**
Continental

**Session Moderator:**
Steve Laffey, Rail Safety Specialist, Illinois Commerce Commission

*The Rail Crossing Locator, Federal Railroad Administration’s Locator Application*  
Jerry Martin, Crossing/Trespass Prevention Manager, Federal Railroad Administration

*Benefit-Cost Analyses and Means to Identify Optimal Locations for Grade Crossing Improvements*  
Ric Cruz, Engineering Applications Division Manager, Tavla Solutions

Walter Kemmsies, Chief Economist, Moffatt & Nichol  
Ali Rezvani, Freight Transportation Analyst, Moffatt & Nichol

8:00 a.m. – 9:30 a.m. **BREAKOUT 6: High-Speed Rail Program Updates**
Citizens ABC

**Session Moderator:**
Ron Ries, Staff Director, Crossing Safety Section, Federal Railroad Administration

*Crossing Treatments for Higher Speed Rail*  
Frank Frey, Crossing/Trespass Prevention Manager, Federal Railroad Administration

*Private Crossing Treatments on the North Carolina Sealed Corridor*  
Patrick Bien-Aime, Mechanical Engineer, US DOT/Volpe Center

*Illinois High-Speed Rail Crossing Design and Construction*  
Dave Orrell, General Director, Construction/Public Projects, Union Pacific Railroad

9:30 a.m. – 10:00 a.m. **BREAK (Sponsored by Jacobs)**  
West Promenade

10:00 a.m. – 11:30 a.m. **3 CONCURRENT BREAKOUT SESSIONS:**

**BREAKOUT 7: Crossing Surface Replanking and Sub-grade Stabilization**
Citizens ABC

**Session Moderator:**
John Dinning, Manager, Public Projects, CN

*Highway-Rail At-Grade Crossing Rehabilitation Practices to Enhance Long-term Performances: Criteria and Evaluations*  
Jerry Rose, Professor, University of Kentucky

*Industry Experiences*  
Panelists:  
Tim Huya, BNSF Railway  
Danny Lites, Kansas City Southern Railway  
Clay McManaman, Union Pacific Railroad
10:00 a.m. – 11:30 a.m. **BREAKOUT 8: Challenges and Suggestions for Dealing with Short Storage Crossings**

Continental

**Session Moderators:**

Paul Worley, Director, Rail Division, North Carolina Department of Transportation

Kurt Anderson, Vice President and General Manager, CTC, Inc.

**Short Storage Crossing – What is it and What can you do about it?**

Jason Field, National Grade Crossing Project Manager, Moffatt & Nichol

**Short Storage Crossings within Quiet Zones**

Tim Oster, Project Manager – Preemption Services, CTC, Inc.

10:00 a.m. – 11:30 a.m. **BREAKOUT 9: Analyzing the Safety Impacts: New Research and Rail Industry Experience with Quiet Zones**

Crystal A

**Session Moderator:**

Jerry Martin, Crossing/Trespass Prevention Manager, Federal Railroad Administration

**Federal Railroad Administration Quiet Zone Analysis Report**

Ron Ries, Staff Director, Crossing Safety Section, Federal Railroad Administration

**Industry Experience Panel Discussion**

**Panelists:**

Bill Barringer, Director, Grade Crossing Safety, Norfolk Southern

Lyn Hartley, Director, Industry and Public Projects, BNSF Railway

Thad Call, Director, Industry and Public Projects, Union Pacific

Terry Ludban, Director, Community Affairs and Safety, CSX

Allen Pepper, Director, Public Safety, Kansas City Southern Railway

11:30 a.m. – 1:00 p.m. **LUNCH ON YOUR OWN**

*TRB Committee AHB60 Mid-year Meeting at 11:45 a.m.
Room to be announced

1:00 p.m. – 2:30 p.m. **3 CONCURRENT BREAKOUT SESSIONS:**

**BREAKOUT 10: Safety Enhancements at Multiple Incident Crossings**

Citizens ABC

**Session Moderator:**

Tim Huya, Manager, Public Projects, BNSF Railway

**Panelists:**

Darin Kosmak, Deputy Director, Rail Division, Texas Department of Transportation

Bill Shrewsberry, Highway/Rail Safety Engineer, Louisiana Department of Transportation and Development

Brian Vercruysse, Senior Rail Safety Specialist, Illinois Commerce Commission

Daren Gilbert, Manager, Rail Transit and Crossings Branch, California Public Utilities Commission

Scott Allbritton, Rail Safety Programs, Florida Department of Transportation
1:00 p.m. – 2:30 p.m.  **BREAKOUT 11: Inventory Management Systems**  
Crystal A  
**Session Moderator:**  
Phil Poichuk, Toby Bronson & Associates  

*Development of the New Grade Crossing Information System*  
Ron Ries, Staff Director, Crossing Safety Section, Federal Railroad Administration  

*Railroad Perspective on the Inventory*  
Steve Grosse-Rhode, Senior Manager Industry & Public Projects, Union Pacific Railroad  

*New Technology to Manage and Analyze Inventory*  
Brann Greager, Discipline Lead, Jacobs

1:00 p.m. – 2:30 p.m.  **BREAKOUT 12: Trespass and Suicide Countermeasures**  
Continental  
**Session Moderator:**  
Marco daSilva, Research Engineer, US DOT/Volpe Center  

*Overview of Trespass Facts, Website and Conference and West Palm Beach Project and Overview of the CARE Model*  
Marco daSilva, Research Engineer, US DOT/Volpe Center  

*Defining Characteristics of Intentional Fatalities on Rail Rights-of-Way in the United States*  
Scott Gabree, Engineering Psychologist, US DOT/Volpe Center  

*Rail Trespasser Fatalities: A Demographic and Behavioral Analysis*  
Matthew Spackman, Director of Research, North American Management Group

2:30 p.m. – 3:00 p.m.  **BREAK**  
(Sponsored by CTC, Inc.)  
West Promenade

3:00 p.m. – 5:00 p.m.  **Partnering for Success on Road-Rail Projects Workshop**  
Crystal A  
**Session Moderator:**  
Shobna Varma, President and Chief Executive Officer, StarIsis Corporation  

*Introduction of Workshop and Project Overview*  
Darin Kosmak, Deputy Director, Rail Division, Texas Department of Transportation  

**Panelists:**  
Darin Kosmak, Deputy Director, Rail Division, Texas Department of Transportation  
Paul Worley, Director, Rail Division, North Carolina Department of Transportation  
Scott Allbritton, Railroad Crossing Safety Programs, Florida Department of Transportation  
Kamie Minor, Public Projects Manager, BNSF Railway  
Bill Barringer, Director, Grade Crossing Safety, Norfolk Southern  
Amanda J. DeCasare, Project Manager, Public Projects, CSX Transportation

6:00 p.m. – 9:00 p.m.  **Networking and Awards Dinner**  
Crystal D
7:30 a.m. – 10:00 a.m.  **Conference Registration Desk Open**  
*West Promenade*

7:30 a.m. – 10:00 a.m.  **Exhibit Area Open**  
*West Promenade*

7:30 a.m. – 8:00 a.m.  **Continental Breakfast** (Sponsored by CN)  
*West Promenade*

8:00 a.m. – 9:15 a.m.  **3 CONCURRENT BREAKOUT SESSIONS:**

**BREAKOUT 13:**  **Crossing Signs and Pavement Markings**  
*Texas AB*

**Session Moderator:**  
Marco daSilva, Research Engineer, US DOT/Volpe Center

*Report on Pavement Markings within the Dynamic Envelope*  
Marco daSilva, Research Engineer, US DOT/Volpe Center

*Addressing the Dynamic Envelope, Florida’s Project*  
Brian Reeves, Director, Railroad Department, Marlin Engineering

8:00 a.m. – 9:15 a.m.  **BREAKOUT 14:**  **International Programs**  
*Texas CD*

**Session Moderator:**  
Mike Martino, Sr. Director, Safety and Security, Association of American Railroads

*International Research Activities and the 2014 Symposium*  
Steve Laffey, Railroad Safety Specialist, Illinois Commerce Commission

*Operation Lifesaver, Canada*  
Mike Regimbal, National Director, Operation Lifesaver Canada

*Innovations in Rail Safety Education and Awareness in the United States*  
Joyce Rose, President, Operation Lifesaver, Inc.

*Australia’s “Dumb Ways to Die”*  
Mike Martino, Sr Director, Safety and Security, Association of American Railroads

8:00 a.m. – 9:15 a.m.  **BREAKOUT 15:**  **Pedestrian Crossing Safety Improvements: New Guidelines and Treatments**  
*Crystal A*

**Session Moderator:**  
Carolyn Cook, Region 5 Crossing Manager, Federal Railroad Administration—Illinois, Pedestrian Treatments

*Illinois Pedestrian Treatment*  
Brian Vercruysse, Senior Rail Safety Specialist, Illinois Commerce Commission

*National Committee on Uniform Traffic Control Devices Guidelines*  
Tim Huya, Manager, Public Projects, BNSF Railway

*Pedestrian Improvements in New Jersey*  
Lou Frangella, Region 1 Grade Crossing Manager, Federal Railroad Administration

*U.S. Department of Transportation Policy on Bike/Pedestrian Accommodation*  
Elizabeth Hilton, Area Engineer, Federal Highway Administration
9:15 a.m. – 9:30 a.m.  BREAK (Sponsored by Union Pacific)
West Promenade

9:30 a.m. – 10:45 a.m.  PLENARY SESSION: Crossing Diagnostics
Crystal A

Session Moderator:
Janie Hollingsworth, Senior Traffic Engineer, CTC, Inc.

Railroad Experience
Melvin Thomas, Manager, Public Projects, BNSF Railway

Active Crossing Evaluation, Canada
Dennis Maskell, Railway Signal Systems Officer, Transport Canada

“I Thought We Agreed to Close This Crossing?”
Covering All Your Bases: The Texas Department of Transportation Diagnostic Inspection Team Form
Darin Kosmak, Deputy Director, Rail Division,
Texas Department of Transportation

10:45 a.m. – Noon  CLOSING PLENARY SESSION: Industry and Federal Updates
Crystal A

Session Moderator:
Steve Roop, Assistant Agency Director,
Texas A&M Transportation Institute

Overview of the Section 130 Program
Jim Dahlem, Office of Safety, Federal Highway Administration

Updates from Federal Railroad Administration
Ron Ries, Federal Railroad Administration

Updates from the National Committee on Uniform Traffic Control Devices and AREMA 36 Committee
Rick Campbell, Chair, National Committee on Uniform Traffic Control Devices

Closing Remarks
Steve Roop, Assistant Agency Director,
Texas A&M Transportation Institute

The Texas A&M Transportation Institute would like to take this opportunity to thank the 2013 planning committee for their efforts in the planning of this year’s conference. Planning committee members are:

Mike Martino
Association of American Railroads

Steven Neubauer and Tim Huya
BNSF Railway

John Dinning
CN

Kurt Anderson, Janie Hollingsworth, Linda Jacobson and Rick Campbell
CTC, Inc.

Carolyn Cook, Mike Grizkewitsch and Ron Ries
Federal Railroad Administration

Steve Laffey
Illinois Commerce Commission

Tom Domres
Metro Transit

Bill Barringer and Derrick Mason
Norfolk Southern

Paul Worley and Drew Thomas
North Carolina Department of Transportation

Danny Gilbert
Rail Safety Consultant

Darin Kosmak
Texas Department of Transportation

Dale Hill and Doug Woods
Union Pacific

Marco da Silva
US DOT/Volpe Center
Every two years, a committee of industry professionals selects an individual to present with its highest honor: the Hoy A. Richards** Career Achievement Award. The award will be presented during the dinner/awards ceremony at the National Highway-Rail Grade Crossing Safety Training Conference.

The award recognizes a career of exemplary achievement in improving the safety of rail grade crossings. Nominees should have notable, tangible results or have participated in technology programs or processes for improving grade crossing safety (i.e., technologies that have been implemented in industry, published works, committee service, etc.); experience in fostering and enhancing relationships within industry, regulatory agencies; and mentored others in grade crossing safety.

**Hoy A. Richards was a Texas Transportation Institute senior research scientist and leader in the highway-rail grade crossing area for more than 40 years. His enthusiasm and persistence for promoting safety at highway-rail grade crossings were instrumental in the formation of the Railroad Highway Grade Crossing Committee at the Transportation Research Board and the ITS User Service 30 for Highway-Railroad Intersections.

Previous award winners include:

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
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<tbody>
<tr>
<td>2005</td>
<td>Dick Mather</td>
</tr>
<tr>
<td>2007</td>
<td>Hoy Richards</td>
</tr>
<tr>
<td>2009</td>
<td>Bill Browder</td>
</tr>
<tr>
<td>2011</td>
<td>Anya Carroll</td>
</tr>
</tbody>
</table>

Hoy A. Richards
December 25, 1931 – November 9, 2006