

2023 Eastern Crossing Safety Seminar
August 22-25, 2023
The Penn Stater Hotel & Conference Center
State College, PA



Seminar Program

2023 Eastern Crossing Seminar Hosts



FEDERAL RAILROAD ADMINISTRATION



pennsylvania
DEPARTMENT OF TRANSPORTATION





Save The Date!



Please join us in San Diego, California, from Tuesday, August 20 through Friday, August 23, 2024, at the San Diego Westin Gaslamp Quarter, a Marriot Hotel, for the 2024 National Highway-Rail Grade Crossing Safety Conference.

Matthew Bond, P.E., with the California Public Utilities Commission, is your Chairman. Please take the time to meet Matt here, at the Penn Stater.

In your Welcome Packets are several **“Save the Date”** postcards. Please keep one as a reminder of the event, and then please be so kind as to distribute the others to your colleagues. You may also view our website at <https://nationalhighwayrailconference.com>.

To make the 2024 National Highway-Rail Grade Crossing Safety Conference successful, we need all of you to strongly consider attending this event and spreading the word. Our goal is 300 attendees.

Also, we have been blessed with many generous Sponsors and Exhibitors, all of whom helped to keep this year’s seminar cost manageable. If you represent one of our Sponsors/Exhibitors, the Eastern Crossing Seminar would like to thank you for your support, and ask that you strongly consider duplicating or bettering your role for next year’s national event. Without your continued support, these safety seminars would not be possible. Thank you!

Please follow the below link to view next year’s venue!

<https://www.marriot.com/en-us/hotels/sanwi-the-westin-san-diego-gaslamp-quarter/overview/>.





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Chairman's Welcoming Statement

Welcome to State College and the 2023 Eastern Crossing Safety Seminar! The Executive Committee is so glad you are able to join us for what looks to be 2 ½ days, jam-packed with industry leading information presented by leaders from FRA, FHWA, DOTs, and other related fields.

Planning for this event began about one year ago, so we have been at it a solid 12 months, trying to put together a program worthy of attendance, held in a world-class venue, with top of the field presenters. We feel confident we have achieved our mission and goals.

Since the Eastern Crossing Seminar was last held in 2017, and the last national event in Pittsburgh in 2019, there has not been a regional nor national event. That has changed in a big way, starting with this year's seminar, and next year's national conference to be held in San Diego, California. So not only have we been planning the seminar, but we are months into developing the national conference. Matthew Bond, P.E., with the California Public Utilities Commission, is the Chairman of the 2024 National Highway-Rail Grade Crossing Safety Conference. Matt is attending the seminar and I would greatly encourage all of you to make his acquaintance.

I have been blessed to be surrounded by an outstanding team of professionals that have taken this event personally. The Executive Committee is comprised of George Fury (North Shore Railroad Company) as Chairman, Frank Frey (Federal Railroad Administration), James Dahlem (Federal Railroad Administration), Steve Betts (Pennsylvania Department of Transportation), Allan Rutter (Texas A&M Transportation Institute), Diana Williams (North Shore Railroad Company), Nikki Reedy (North Shore Railroad Company). Also assisting were Tami Smith (Pennsylvania Department of Transportation), Kyle Postupack (SEDA-COG Joint Rail Authority), and Jim Boyer (North Shore Railroad Company). Please offer thanks to these individuals as without their hard work and dedication, this seminar would not have occurred.

Our desire is that you enjoy your time in Happy Valley, learn something of value you can take home with you that will benefit not only you and your fellow workers, but the traveling public as well. Please take advantage of the networking opportunities an event like this presents. Again, thank you for attending. I hope to meet many of you, but if not, I do want you to know how much I appreciate your attendance, time, and investment in the 2023 Eastern Crossing Safety Seminar. See you in San Diego at the 2024 National Highway Rail Grade Crossing Safety Conference!

Warmest Regards,
George Fury
Chairman





Eastern Crossing Seminar Staff

George Fury

Frank Frey

James Dahlem

Allan Rutter

Matthew Bond

Steve Betts

Shannon Betts

Tami Smith

Diana Williams

Nikki Reedy

Jim Boyer

Kyle Postupack

North Shore Railroad Company

Federal Railroad Administration

Federal Railroad Administration

Texas A&M Transportation Institute

California Public Utilities Commission

PA Department of Transportation

PA Department of Transportation

North Shore Railroad Company

North Shore Railroad Company

North Shore Railroad Company

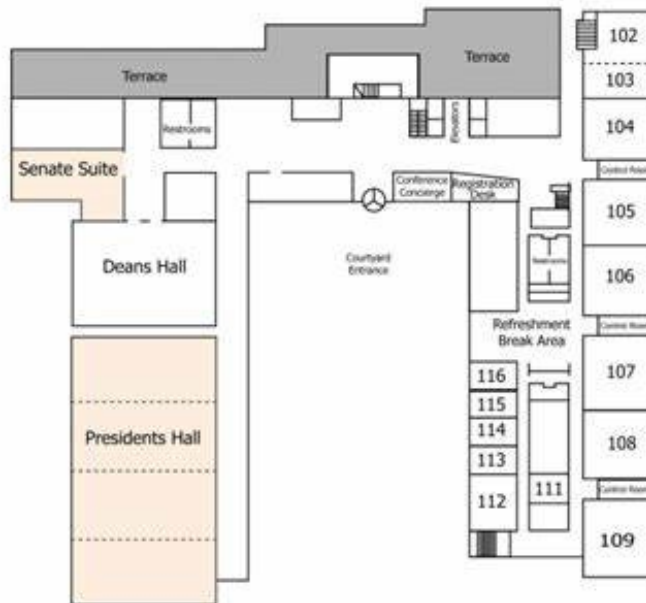
SEDA-COG Joint Rail Authority





The Penn Stater Floorplan

Main Level



Second Level



2023 Eastern Crossing Safety Seminar
Tuesday, August 22 to Friday, August 25, 2023
The Penn Stater Hotel & Conference Center
215 Innovation Boulevard, State College, PA 16801

Tuesday, August 22

3:00 pm **Registration Begins**

7:00 pm **Welcome Dinner and Reception** - (Located in the Courtyard)
 All are welcome, including spouses, to meet with your fellow attendees and colleagues as we prepare for a full day of informative sessions that begin Wednesday morning. The reception is business attire and will be held in the Courtyard, opposite the Registration Desk.

Dan Leonard - Welcoming Address — Pennsylvania Department of Transportation

Allan Rutter, Texas A&M Transportation Institute

George Fury, Chairman of the Eastern Region Crossing Seminar

Frank A. Frey, Federal Railroad Administration (FRA) – Headquarters

Wednesday, August 23

7:00 am **Breakfast** – Please join us in the Garden’s Restaurant, on the ground floor.

8:00 am **Welcoming Address and Safety Briefing**—(All Sessions will be held in President’s Hall)
Executive Planning Committee – Eastern Crossing Seminar Chairman, George Fury and Frank A. Frey (moderator).

8:05 am **Opening Remarks – Setting the Stage**
Keynote Speakers
Jennifer Mitchell, Deputy Administrator – FRA
Cheryl Walker, Assoc. Administrator for Safety – FHWA

8:30 am **Manual on Uniform Traffic Control Devices (MUTCD)**
 Specific highlights on the new revision
Duane Thomas, P.E., Civil Engineer – FHWA
Richard “Rick” M. Campbell, NCUTCD Technical Committee Chair for Part 8 of the MUTCD

9:30 am **Blocked Crossing Portal – FRA**
 Understand how the online portal works, how FRA addresses the complaints and facilitates local solutions to blocked crossings
Howard Gillespie, Supervisor. Railroad Safety Specialist – FRA



- 10:00 am Mid-Morning Break**
Refreshments provided, meet with exhibitors
- 10:30 am Operation Lifesaver, Inc.**
Learn about the latest crossing safety trends and outreach initiatives
Rachel Maleh, Executive Director - OLI
- 11:15 am State Action Plans**
Debra Chappell, Transportation Specialist – FRA
- 12 noon Lunch**– Please join us in the Garden’s Restaurant, on the ground floor.
- 1:30 pm Wireless Crossings**
Get the latest update from the railroad industry on the progression of Interoperable Wireless Crossings. This is an opportunity to learn about the current status of the technology and how the industry is working towards maintaining interoperability and supporting technology advancements.
Mitchell Beard, Assistant Director Signal Design – BNSF Railways
Eric Madsen, Senior Director Signal Design – Union Pacific Railroad
- 2:15 pm Risk Based Online Tools (GradeDec, WBAPS)**
Learn how GradeDec enables users to evaluate the public benefits of highway rail grade crossing investments based on reduced accident risk, improved highway travel times, and lower vehicle operating costs. GradeDec applies the US DOT’s New Accident Prediction Model and Severity Model required by the Bipartisan Infrastructure Law. WBAPS ranks grade crossing accident risk for all crossings in an entire State or County and by Railroad. WBAPS also provides a Crossing Profile and Accident History for each crossing.
Karen McClure, Economist – FRA
- 3:00 pm Afternoon Break**
Refreshments provided, meet with exhibitors
- 3:30 pm Section 130 Funding Program (FHWA)**
Attendees will receive an overview of the Bipartisan Infrastructure Law **Section 130** updates, what crossing improvements & devices are eligible for funding, and resources to guidance and training.
William R. Houpt, P.E., Safety Engineer – FHWA PA Division Office
- 5:00 pm Supper on your own** – Enjoy the downtown area State College.
Restaurant information is included in your Welcome Bag



Thursday, August 24

- 7:00 am** **Breakfast** – Please join us in the Garden’s Restaurant, on the ground floor.
- 8:00 am** **Housekeeping** – Wrap-up from previous day
- 8:05 am** **Design of Crossings at/adjacent to Roundabouts/Rotaries**
Crossings are experiencing an uptick with roundabouts, why the new trend and is it safer?
Experts will debate both sides, you decide.
Jim Dahlem, P.E., Transportation Specialist – FRA
Richard Bedard, Senior Project Manager – City of Vernon, British Columbia
Rick Campbell, Senior Technical Manager – Alfred Benesch & Company
- 9:15 am** **Connected Vehicle Communication at Grade Crossings**
View a demonstration of the Rail Crossing Violation Warning Application, from the motorist’s perspective as they approach a crossing location.
Sam Alibrahim, P.E., Supervisory General Engineer – FRA
Jared Withers, General Engineer – FRA
Francesco Bedini Jacobini, General Engineer – FRA
- 10:00 am** **Mid-morning break**
Refreshments provided, meet with exhibitors
- 10:30 am** **Activation Failures and False Proceeds**
Understand what causes an approaching train to provide little or no warning to the motorist of an approaching train.
Mark Culver, Railroad Safety Specialist - FRA
- 11:00 am** **Top 100 High-Risk Crossing Initiative - Nationwide with FRA & State Partners**
Jim Dahlem, P.E., Transportation Specialist - FRA
Frank A. Frey, General Engineer - FRA
Rocky Scott, Signal, Train Control & Crossing Division
- 11:30 am** **Lunch** – Please join us in the Garden’s Restaurant, on the ground floor.
- 1:00 pm** **What’s New With AAR, and AASHTO - including The Council on Rail Transportation**
Jeffrey Moller, AVP Transportation Systems & Practices – Association of American Railroads
Shayne H. Gill, Program Director - American Association of State Highway and Transportation
The Council on Rail Transportation – with Shayne Gill
- 2:00 pm** **Breakout Sessions with State DOT’s/PUC’s and Railroads** Each entity will have the opportunity to learn collectively by sharing common information on issues, challenges, and solutions from their peers.

Conference Room C – State officials only
Conference Room E – Railroad personnel only



- 3:15 pm Afternoon Break**
Refreshments provided, meet with exhibitors
- 3:30 pm Joint Roundtable Breakout Session – States and Railroads Together**
An opportunity for both the States and the Railroads to get together in one room where all participants can discuss their efforts to improve coordination and communications between state transportation agencies and their respective railroads. A great forum to share best practices, lessons learned, and disclose challenges encountered.
- Conference Room E – States and Railroads join together
- 5:00 pm Adjourned**
- 6 - 7:00 pm Evening Reception – (Located in President’s Hall)**
Attitude adjustment hour, all are welcome, including registered spouses
- 7:00 pm Supper Served**
During the dinner hour, the **Hoy A. Richards Career Achievement Award** will be presented. This award recognizes a career of exemplary achievement milestones in improving safety at level-grade crossings. Other distinguished recipients will also be awarded and celebrated.

NOTE TO EXHIBITORS

YOU MUST BREAKDOWN ALL EXHIBITS BY END OF THURSDAY SESSIONS

Friday, August 25

- 7:00 am Breakfast** – Please join us in the Garden’s Restaurant, on the ground floor.
- 8:00 am Report out from Breakout Sessions** – States and Railroads
- 8:15 am Bi-partisan Infrastructure Legislation (BIL) Updates**
Ryan Arbuckle, Chief of the Office of Program Coordination and Strategy – FRA
- 8:45 am Show me the Money: FRA and USDOT Grant Programs**
Michael Longley, Director of Rail Program Development – FRA
- 9:15 am Inventory GCIS Website Updates and FRA/State/Railroad Working Group**
Jim Dahlem, P.E., Transportation Specialist - FRA
- 9:45 am Morning Break**
Refreshments provided



- 10:00 am Update from the Joint FRA/FHWA Community of Interest (COI)**
 The COI was formed to support improving coordination among and between state DOT/PUC agencies and the railroads. Led by FHWA and supported by FRA, the working group meets 3 times/year in person and share best practices, lessons learned, challenges, accomplishments - fostering a collaborative environment for expediting project delivery. All states and railroads are encouraged to become members of the COI.
Christopher Bruntz, Preconstruction Engineer – FHWA
- 10:30 am Latest in New Technologies and Innovations in Grade Crossing Safety**
Frank A. Frey, General Engineer - FRA
- 10:45 am Open Session- Odds & Ends**
 Discussions relating (*but not limited to*) Quiet Zones, Emergency Notification System (ENS) Sign, Inventory Forms, Railroad Preemption, Humped Crossings, Grade Crossing Handbook, Pedestrian Gate Designs (including at 4-Quad locations) etc...
- 11:15 am Conference Closing Remarks – next workshop**
- 12 noon Adjournment**
 Please join us in the Garden’s Restaurant, on the ground floor.
 On-the-go boxed lunches or sit-down lunch provided.
 Travel home safely.



**Federal Railroad Administration
Deputy Administrator Jennifer Mitchell**



Jennifer Mitchell was appointed as Deputy Administrator of the Federal Railroad Administration in April 2022. In that role, she provides executive leadership and direction on agency operations and policy matters, including the agency's safety and rail development activities.

Ms. Mitchell has over 25 years of experience working in the transportation industry in both the public and private sectors. Prior to joining the FRA, she served for eight years as Director of the Virginia Department of Rail and Public Transportation (DPRT) where she led several strategic initiatives. These include landmark agreements between CSX, Norfolk Southern Railway and Amtrak to significantly expand passenger rail service in the State over the next ten years, as well as advancing construction of the new Long Bridge across the Potomac River. Jennifer also helped lead the creation of the Washington Metrorail Safety Commission in collaboration with Maryland and the District of Columbia. She played a key role in securing dedicated regional funding for the Washington Metropolitan Area Transit Authority, development of a new transit ridership incentive grant programs, and creation of the Commonwealth's SmartScale multimodal transportation funding program.

Ms. Mitchell has served on boards of the American Public Transportation Association, Women's Transportation Seminar, and the Eno Transportation Foundation. In 2018 she was named by *Railway Age* as a Woman of the Year, and in 2020 she was named by the Council of Minority Transportation Officials (COMTO) as a Woman that Moves the Nation. She holds a Bachelor of City Planning degree from the University of Virginia and a Masters in Regional Planning from the University of North Carolina at Chapel Hill.

Cheryl J. Walker
Associate Administrator for Safety



In August 2019, Cheryl became the Associate Administrator for Safety at the Federal Highway Administration (FHWA). In this position, Cheryl is responsible for providing executive leadership and direction to a multidisciplinary professional staff of transportation safety experts in developing and implementing strategic national initiatives, programs, and policies to reduce fatalities and serious injuries on the Nation's 4 million miles of public roads.

Previously Cheryl was the Director of the Office of Safety Programs, where she led national safety programs. From June through October 2018, Cheryl served as FHWA's Acting Executive Director. From 2012 through 2018, Cheryl held the position as the Director of the Office of Legislative Affairs and Policy Communications.

She also has served as the Special Assistant to the FHWA Administrator and as Legal Counsel to FHWA's Chief Counsel.

Prior to joining FHWA, Cheryl served for three years as an attorney with the Federal Motor Carrier Safety Administration and, before that, for a decade as an attorney in an energy regulatory practice for private law firms in Washington, D.C. Before attending law school, she worked as an electrical engineer for an automobile manufacturer.

Cheryl earned a Juris Doctorate from George Washington University in Washington, D.C., and a Bachelor of Science in Electrical Engineering from Kettering University in Flint, Michigan.

Ryan Arbuckle
Chief – Office of Program Coordination & Strategy



Ryan Arbuckle is currently the Chief of the Office of Program Coordination and Strategy within the Office of Railroad Development at the Federal Railroad Administration (FRA). In this role, Mr. Arbuckle is responsible for assisting the Administrator, Deputy Administrator and the Associate Administrator for the Office of Railroad Development with developing and organizing the various implementation efforts of the Bipartisan Infrastructure Law (BIL), ranging from the stakeholder outreach to discretionary grant program development. A large function of Mr. Arbuckle's office focuses on coordinating internally within FRA and DOT as well as externally with OMB and the White House to ensure that FRA is implementing the BIL in an effective and efficient manner as well as incorporating in lessons learned as the implementation process continues. Prior to this role, Mr. Arbuckle served as the Special Assistant to the Administrator.

Prior to joining FRA, Mr. Arbuckle was enlisted in the U.S. Army where he was an Operations Sergeant with the 25th Infantry Division in Hawaii.

Mr. Arbuckle earned a Master of Applied Economics from Johns Hopkins University and is currently pursuing a Doctor of Business Administration with an emphasis on Data Analysis at Grand Canyon University. In addition, Mr. Arbuckle serves as the Chief Data Officer for the Interagency Veterans Advisory Council, a government-wide Military, Veterans and Military Spouse employee resource group.

Mitch Beard
Assistant Director of Signal Design – BNSF Railway



Mitch Beard is an Assistant Director Signal Design with BNSF Railway. He earned his Bachelor of Electrical Engineering in 2010. He is also an active member in AREMA through participating in committees 36, 37, and chair of 39.

Mitch has spent 12 years in the rail industry at BNSF. He has held positions in Maintenance, Constructions, Design and most recently Research & Development. Through these roles he has developed an expertise with multiple vendors products and continues to work towards ways to further leveraging new technology. He is currently leading efforts with developing OMA VBS and Wireless Crossings at BNSF.

Raised in rural NW Kansas (Phillipsburg) and now resides in the Kanas City metro. Mitch has been married to his wife Mandi Beard 12 years and has one daughter Georgia Faye Beard (1.5). Mitch enjoys spending time woodworking, hiking, and spending time with his family.

Richard Bedard
Senior Project Manager, City of Vernon



Richard has 21 years of municipal government experience in surveying, design and construction/ project management.

He started his municipal career in 2002 with the City of Dawson Creek, BC after a 5 year career with Louisiana-Pacific in the engineered wood industry. In 2005 he made the move to Vernon and has led numerous civil related capital works projects ranging from small parking lot design builds, coordinating complex rock scaling to large civil road projects. The railway crossing project being presented at this conference was the most intricate city project to date considering the coordination efforts required for the railway crossing approvals, agreements and construction.

Richard grew up in Sudbury, Ontario and graduated from the Civil Engineering Technology program at Cambrian College in 1994 and made the move to Dawson Creek in 1995. He has been a member of the Applied Science Technology and Technicians of BC (ASTTBC) since 2001 and is registered as an Applied Science Technologist (AScT).

He lives in Vernon, British Columbia with his wife Karen, has two boys aged 25 and 20 and has recently become a grandfather. In his spare time, he coaches high school volleyball with his wife. When not coaching he enjoys mountain biking, fly-fishing, golfing and pickleball (yes mandatory being a grandfather)

Chris Bruntz, PE
FHWA – Office of Infrastructure
Preconstruction and Railroad Coordination Engineer



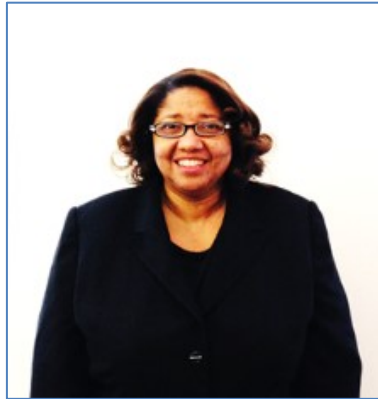
Chris Bruntz has served as the FHWA Preconstruction and Railroad Coordination Engineer since 2021.

Previously served as Transportation engineer for the Kansas FHWA Division from 2009-2021.

Other previous experience includes Construction Engineer for Emery Sapp and Sons Construction in Kansas City, Missouri, as well as Public Works Project Manager for Cities of Olathe, KS and Kansas City.

Chris graduated with a degree in Civil Engineering with Construction option from Kansas State University in 2004.

DEBRA (DEE) CHAPPELL
FEDERAL RAILROAD ADMINISTRATION
DEPUTY STAFF DIRECTOR



Debra (Dee) Chappell is a deputy Staff Director in the Federal Railroad Administration's Office of Railroad Safety, Grade Crossing and Trespasser Outreach Division. Dee has over 30 years' experience with Federal, State, local, academic, and corporate entities. She has previously worked at the Federal Highway Administration as the Section 130 Program Manager, Pavement Safety Program Manager, and the MUTCD Team. She also worked at the Volpe Center conducting research on ITS technologies for crossing safety and trespass prevention, four-quadrant gate systems, quiet zone research, freight car reflectorization and strategic plan development. Prior to her Federal service, Dee served as the Assistant Director of the Office of Engineering and Science Support and Adjunct Professor at the Florida A&M University-Florida State University College of Engineering. Additionally, Dee also worked as a highway design engineer for HNTB. Dee started her career with the Florida Department of Transportation as a Professional Engineer Trainee.

She holds professional memberships with AREMA (Committee 36), the National Committee on Uniform Traffic Control Devices and immediate past member of TRB Committee AR080.

Born and raised in Jacksonville, FL, Dee graduated with a Bachelor of Science in Civil Engineering (with Honors) at the Florida A&M University/Florida State University College of Engineering (as the first female and African-American graduate) and a Master of Science in Civil Engineering (with High Honors) from Howard University (as an FHWA Eisenhower Graduate Research Fellow). She is married to Dr. Isaac Chappell, II. She is a lifelong, die-hard NASCAR fan and collects clocks.

Mark A. Culver
Federal Railroad Administration Washington, D.C.



Mark Culver is the Subject Matter Expert (SME) of the Code of Federal Regulations, Part 234-Grade Crossing Safety, for the Office of Safety at the Federal Railroad Administration (FRA). As the Part 234 SME, Mark is responsible for regulatory interpretations and clarification as well as publishing and ensuring compliance manuals remain current and up to date. A primary focus of Marks is to ensure that the FRA is applying Part 234 consistently across the nation.

Mark began his railroad signaling career in 1991 where he worked as a signal contractor. He continued to work for a few railroad properties until 2002 when as the Director of Signals for the Iowa Chicago and Eastern (IC&E) and the Dakota Minnesota and Eastern (DM&E) he left the railroad and joined the FRA.

Mark works out of the Washington, D.C. office and lives in St Louis, Missouri with his wife Kelly. They have 3 children, Juel, Olivia and Riley, Mark and his family all enjoy spending time outdoors and are often found boating.

Jim Dahlem
Federal Railroad Administration



James has been with FRA for the past 7 years working on grade crossing safety. Prior to FRA, he worked for FHWA for 7 years in their Headquarters office and in their North Carolina Division Office. He also worked 5 years for Caltrans District 11 in San Diego, CA, and 5 years for an engineering firm in St Louis, MO, where he grew up.

James received his Bachelor's degree in Civil Engineering from Bradley University in 1999, and is a registered Professional Engineer in the State of California.

Frank A. Frey
Federal Railroad Administration
Washington, D.C.



In 1998, Frank began his government career with the Massachusetts' Department of Public Utilities (DPU) as a Transit Engineer. Among his roles involved the implementation of state safety oversight of the Massachusetts Bay Transportation Authority (MBTA), as well as state oversight of all public railroad grade crossings within the Commonwealth. Specifically, he assisted in the review and approval process for engineering design layouts of railroad grade crossing warning devices to ensure compliance with state and federal design standards.

After thirteen years as the state's transportation safety engineer; in June 2011, Frank joined the Federal Railroad Administration as their General Engineer at its Washington, D.C. headquarters. Frank's current role is to ensure the safe design layout of railroad grade crossing signal equipment along High-speed Rail (HSR) corridors in the country. His position requires periodic travel throughout the country, conducting diagnostic safety reviews of grade crossing locations with various railroads and municipalities involved. Not limited to HSR initiatives, Frank is also involved with new and innovative grade crossing signal technology, and supports the Federal Transit Administration in providing technical engineering advice with Light-rail crossing designs.

Frank attended Wentworth Institute of Technology in Boston, MA where he received a B.S. in Mechanical Engineering Technology. Shortly thereafter, he attended the University of Massachusetts where he earned a M.S. in Public Affairs. Married since 2006, he and his wife Sarah have three young children and currently reside in southern Maryland.

Shayne Gill
Program Director for Multimodal Transportation
American Association of State Highway and Transportation Officials
(AASHTO)



Shayne Gill is the program director for multimodal transportation at the American Association of State Highway and Transportation Officials (AASHTO). He has been with the association for 15 years and serves as the liaison for AASHTO's Council on Rail Transportation which has primary jurisdiction developing policy for the association for both freight and passenger rail. He is also the liaison between AASHTO and the State Amtrak Intercity Passenger Rail Committee and the Next Generation Corridor Equipment Committee both organizations that AASHTO works closely with in providing administrative support. He also leads the AASHTO Rail Resource Center a technical services program that provides state rail division's technical assistance and workforce training opportunities. Mr. Gill's work in policy and government relations includes almost 12 years of legislative experience as Congressional staff on Capitol Hill. In addition, Mr. Gill is the liaison for AASHTO's Council on Public Transportation and Council on Aviation including the cross-committee emerging mobility task force for the development and implementation of Uncrewed Aerial Systems/Advanced Aerial Mobility. Mr. Gill oversees a team of three that also cover the Council on Water Transportation, Special Committee on Freight and Transit Technical Services Program. Mr. Gill also serves as a member of the National Board of Directors for Operation Lifesaver, a Rail Safety Education organization.

Howard Gillespie
Federal Railroad Administration



24 Years with the Federal Railroad Administration at regional and division levels.

- Many different positions

- Assistant Regional Grade Crossing Manager, Regional Grade Crossing Manager, Senior Regional Grade Crossing Manager, and is currently the Grade Crossing Specialist for Districts 3 and 6.

Prior to FRA

- CSX Transportation - Jacksonville and Tampa, Florida

- Yardmaster, Crew Caller, Passenger Clerk, Assistant Manager Passenger Services

- Amtrak - Miami, Florida Crewbase

- Train Attendant on Amtrak's Silver Meteor and Silver Star between Miami and New York

- Eastern Kentucky University - Bachelor's in Public Relations

- Born and raised in Clearwater, Florida

- Married for nearly 20 years to wife Athena

- They enjoy spending time with their German Shepherd Alice

- Fun Pennsylvania Fact: Howard's grandmother (deceased) graduated from Temple University in Philadelphia nearly 100 years ago and became the first Kindergarten teacher in Clearwater, Florida

Michael Longley
Director, Office of Rail Program Development
Federal Railroad Administration



Michael Longley is the Director of the Office of Rail Program Development in the Office of Railroad Development at the Federal Railroad Administration (FRA). In this role, Michael is responsible for policies, programs, and technical assistance to promote effective rail development decision-making on projects using principles and processes that satisfy FRA mission responsibilities. He directs a multidisciplinary staff of grant managers, program analysts, and transportation industry analysts by providing management and leadership in the development and implementation of national policies, regulations, guidelines, standards, procedures, and techniques. He has nearly 20 years of experience in the Federal grants and project management arena as both a management consultant and a federal employee.

Michael was a key contributor to the creation of a grants management office within FRA and led FRA's Project Management and Oversight Division, which administered more than \$8.5 billion in planning, design, and construction grants under a variety of infrastructure investment programs.

Michael facilitated the launch of a new rail and mass transit division along with the nation's first transit-focused homeland security grant program within the Department of Homeland Security (DHS). He also implemented risk and allocation models for five of DHS's risk-based grant programs.

Michael earned his Bachelor of Arts in International Relations and Affairs from the University of Virginia.

Eric Madsen
Union Pacific Railroad



Eric Madsen has over 30 years of experience with the Signal Department at Union Pacific (UP). He has held various field positions in Maintenance, Construction, and most recently as Senior Director Signal Design. He earned his Associate of Electronics degree in 2010. He has also been an active member of AREMA since 2008, participating in Committees 36, 37, and 39.

Eric was born and raised in Omaha, Nebraska, which he currently resides. Eric has been married to his wife Sothea for 24 years and they have two boys aged 24 and 19. In his spare time, he enjoys golfing, watching his sons play baseball, and spending time with his family.

**Karen McClure
Economist
Federal Railroad Administration**

Economist, Master's Degree from the University of Wisconsin, Madison.

Previous work: US House of Representatives, the Brookings Institution, and Major Consulting Firms covering Transportation Economics

-Current Work: Economist, Regulatory and Grants Economic Division, Measures impact of FRA regulations on the railroad industry and the public in terms of safety, mobility, and environmental impact. Reviews Federal Grant Applicants for highway-rail at-grade improvements. Developed the New Accident Prediction and Severity Model (New APS) in response to the Infrastructure Investment and Jobs Act requirement that FRA update is current Accident Prediction and Severity model. The New APS model documentation is located here: <https://railroads.dot.gov/sites/fra.dot.gov/files/2020-10/GX%20APS-A.pdf>.

-Developed the FRA Online GradeDec.Net Tool

1. Conducts GradeDec Workshops at the request of State Departments of Transportation
2. Continuously upgrades the GradeDec benefit cost and safety analysis to meet the safety and investment needs of public transportation agencies.

Rachel Maleh
Executive Director
Operation Lifesaver, Inc.



Rachel Maleh is Executive Director of [Operation Lifesaver, Inc.](#), the national, nonprofit rail safety education organization based in Washington, D.C. Maleh has over 25 years' experience in nonprofit management, communications, marketing, fundraising, organizational development, and leadership transition planning.

Prior to joining Operation Lifesaver, Inc., Maleh ran a communications consulting firm offering comprehensive nonprofit management services. Previously, she was Deputy Executive Director of the Greater Washington Region of the American Heart Association. Her experience also includes serving as Senior Advisor/Chief of Staff with the National Community Reinvestment Coalition in Washington, D.C.

Maleh has advanced degrees both in International Relations and International Communications from Boston University as well as a Master of Science in Marketing from Johns Hopkins University. She earned her Bachelor of Arts in Sociology and French from Hobart and William Smith Colleges.

Jeffrey Franklin Moller
Assistant Vice President Transportation Systems & Practices
Association of American Railroads



2010 – Present

Assistant VP Transportation Systems & Practices, Association of American Railroads, Washington, D.C.
 Originates and facilitates industry activities designed to increase the safety, security and efficiency of railroad operations. Holds Current US Government Clearance of *Secret*.

Partial list of current / past responsibilities:

- Rail Safety Advisory Committee Past Member, Current Working Group / Task Force Participant
 - Customs Operations Advisory Committee – *Marine Transportation Security Act* Subgroup
 - Industry Activities
 - o Manages AAR Committees: Environment Safety and Security, Crossing and Trespass Prevention, Medical, and Operating Practices
 - o AAR Safety and Derailment Prevention Information Exchange Forum
 - o Supports Chicago Region Environmental and Transportation Efficiency (CREATE) Program and the New Orleans Gateway Terminal Steering Committee
 - o Member, Federal Railroad Administration Switching Operations Fatality Analysis Group
- 2002 - 2009 Executive Director Operations, Association of American Railroads, Washington, D.C.
- 1992 - 2002 Director Casualty Prevention, Association of American Railroads, Washington, D.C.
- 1989 - 2002 General Manager, The Grand Island Company, Ryde, CA
- 1987 - 1989 Trainmaster, Consolidated Rail Corporation, Indianapolis, IN
- 1982 - 1985 Account Executive, SP Transportation Co., Wilmington, DE / Philadelphia, PA
- 1981 - 1982 Power Supervisor /Information Officer, SP Transportation Co., San Francisco, CA
- 1979 - 1981 Train Dispatcher, Assistant Chief Dispatcher, SP Transportation Co., Los Angeles, CA
- 1973 - 1974 Engineering Employee, Union Pacific Railroad, Los Angeles, CA

BA With Honors - Principia College Elsau, IL 1977

Professional Affiliations

Vice Chair, International Railway Union, North American Region
 Fellow, The Chartered Institute of Logistics and Transport – North America
 Board of Directors, Common Ground Alliance
 The International Association of Railway Operating Officers
 American Association of Railroad Superintendents
 Guest Lecturer; MSU Certificate Course in Railway Management
 Former Member/Friend, Transportation Research Board Committee AR070; Railroad Operational Safety

Duane H. Thomas, P.E.

Duane is a graduate of the University of Kentucky's Civil Engineering program and is a licensed professional engineer in Kentucky. Duane's career includes 22 years in the Kentucky Transportation Cabinet's Division of Traffic Operations, serving four years as the State Traffic Engineer. He worked for ten years in the Kentucky Division Office of the Federal Highway Administration where he served as an area engineer and managed the Division's Major Projects. In 2018, Duane joined the FHWA Resource Center's Operations Technical Services Team, specializing in Work Zone Traffic Control Management. Duane is also a member of FHWA's MUTCD Team with responsibility for Highway Traffic Signals and Traffic Control for Railroad and Light Rail Transit Grade Crossings.

Exhibitor - Level 1

Frauscher Sensor Technology

 **FRAUSCHER**

Unparalleled Performance for Grade Crossing Safety

- Seamless integration into legacy system
– option to upgrade island circuit only
- Immune to snow, ice, leaf fall, road salt & extreme temperature effects
- No joints, bonds or drilling of rail
- Maintenance cycle of once in two years
- Proven solutions for freight rail & transits
- Leading global supplier of gold standard axle counting systems

www.frauscher.us

Exhibitor - Level 1

Herzog



Innovative Rail and Construction Solutions

Who We Are - Herzog is a leading rail and heavy/highway contractor across North America. We efficiently solve complex transportation problems in challenging operating environments, thanks to fifty years of experience and our highly qualified team of professionals.

Who We Serve- Herzog provides state-of-the-art equipment, technology, construction, and maintenance services to owners and operators of Class 1 railroads, transit agencies, state transportation authorities, and prime contractors.

Why Herzog - Our response to stakeholder requests, consistent on-time performance, reliability, and customer satisfaction has earned us countless accolades and an exceptional reputation in the business.

Our Commitment

Core Values -A shared commitment to safety, quality, and innovation has helped build the pillars of our organization. The Herzog team thrives on these core values in our work ensuring that we get the job done right.

Research and Development - Herzog's continued investment in cutting-edge technology helps our Research & Development teams bring the most efficient equipment and software solutions to market.

Exhibitor - Level 1

Onyx—Rail

ONYX

Rail Safety Solutions

ONYX Rail Safety Solutions offers an advanced railroad crossing monitoring system called XING™. XING™ uses artificial intelligence to identify and report hazardous conditions including:

- Obstructions
- Trespassers and Near Misses
- Warning Systems Operational Status
- Collisions
- Sparks/Fire/Smoke
- And More

ONYX recently won two Progressive Railroading awards – one for SAFETY and one for INNOVATION. Come by the ONYX booth in the exhibit area to learn more.

Exhibitor - Level 1

RECO



Railway Equipment Company (RECO) is dedicated to supplying the railroad industry with differentiated products that help railways meet their shippers' needs. With a top priority of safety and reliability, RECO works tirelessly to provide cutting-edge technology and products. We welcome new challenges from customers to revise and design products to suit unique needs, all while providing exceptional service and support.

Railway Equipment Company (RECO) Manufactures a complete line of [Snow Clearing Devices](#), [Crossing Gate Arms and Lamps](#), [Battery Chargers](#), and [Remote Asset Monitoring & Control Systems](#). We are focused solely on the railroad industry and no other. However, we are more than a railroad products supplier. We are remote monitoring specialist. Our solutions offer railroads the ability to [remotely monitor](#) and control trackside assets via web-based applications.

Our 40-year track record of solving our customers' toughest challenges has taught us about the railroad industry and the pressures you face. That's why we work tirelessly to employ cutting-edge technology and business practices that help you succeed. Railway Equipment Company proudly manufactures:

Magnum - RECO track switch heaters are an industry-leading solution for providing switch protection in the most adverse winter conditions. The Magnum™ track switch heater product line includes: gas hot air blowers in various sizes and configurations, cold air blowers, electric hot air blowers, and electric rail track switch heaters.

Cragg Railcharger -The RECO Cragg Railcharger battery charger product line is expansive and includes: traditional SCR style battery chargers with or without a digital interface and communication connections, switch mode power supply battery chargers to minimize power consumption, and voltage monitors to ensure proper system operation.

E Z Gate -RECO is a leading manufacturer of grade crossing equipment, providing complete E Z Gate® gate arms and LED lamp kits, a full-line of LED signal lights, along with individual components and accessories.

Rail-NET -Many of the RECO products incorporate built-in communication interfaces allowing our customers to remotely monitor and control these products via a secure website. Real-time notifications of fault conditions provide the user with the ability to respond quickly and efficiently.

Exhibitor - Level 1

Signal Tech



About Signal-Tech

- We are proud to be a manufacturer of LED signs.
- Our customers are our #1 focus! We are committed to providing the best value, the quickest lead time and customized designs without a custom price tag.
- If you need a high quality sign and you need it fast, call us today at 1-877-547-9900.
- We accept VISA, MasterCard, American Express and Discover

Exhibitor - Level 2

S&C Distribution Company



S & C Distribution Company is a multi-faceted source for well-known, highly reliable railroad equipment. We primarily serve the signal and communication needs of railroads and rail transit systems. However, our products are used by mechanical, track, operating and B & B departments, as well as signal and communications departments. Detailed information on all the equipment we either represent, distribute or produce is available from S & C Distribution Company. We are pleased to add that, as a service to our customers, all the products we distribute or manufacture can be purchased with VISA (R), MasterCard (R), or American Express (R) credit cards.

Please visit our website www.sandcco.com for more information about our company and products/services.

Or call 1-708-444-4908 to speak with a representative.

Sponsor - Welcome Bag

McRail



“If you own or operate a short-line railroad, or your services support the rail industry, we are here to provide unique and tailored rail insurance and risk management solutions. From track to train, and the operations in between, McRail is here to help.”

Sponsor - Registration Desk Banner

Michael Baker International

The logo features the words "Michael Baker" in a large, white, sans-serif font, centered within a solid dark blue rectangular background.

I N T E R N A T I O N A L

Michael Baker International, a leading provider of engineering and consulting services, including design, planning, architectural, environmental, construction and program management, has been solving some of the world's most complex infrastructure challenges for more than 80 years with a legacy of expertise, experience, innovation and integrity.

Based in Pittsburgh and with nearly 100 offices nationwide, we partner with clients on everything from roads, bridges, tunnels, mass transit, and airports, to water treatment plants, arctic oil pipelines, environmental restoration and specialized overseas construction. We serve as a trusted adviser to the communities we serve, making them safer, more accessible, more sustainable and more prosperous.

We provide visionary leadership in facilitating transformational change for our clients. Our work delivers differentiating innovations and dedicated experts who challenge the status quo and share a world of diverse experience and an impassioned entrepreneurial spirit. We deliver quality of life.

We Make a Difference.

Sponsor - Publications/Handouts

Olsson



We work to leave the world better than we found it.

We are Olsson, a nationally recognized, employee-owned engineering and design firm with a rich history of success.

Founded in 1956 on the very mindset that drives us today, we're here to improve communities by making them more sustainable, better connected, and more efficient. Simply put, we work to leave the world better than we found it.

Our most important asset is our people, and we are dedicated to an environment where we continue to learn, grow, and thrive. This entrepreneurial spirit has made us successful and will keep us successful.

The result? Inspired people. Amazing designs. And projects with purpose. A win-win for all.

Sponsor - Bronze

Arthur N. Ulrich Company



The **Arthur N. Ulrich Company** was founded in 1958 and today is a third generation family-owned, operated and managed manufacturer's representative agency located in Pataskala, OH.

We specialize in the technical application and sale of high integrity prime and backup electrical power systems for a variety of critical infrastructure needs in the healthcare, railroad, financial, utility, telecom, education, industrial and data processing fields.

Over the past 60+ years the company has grown from one employee in a rented storage room in downtown Columbus, OH, to a multi-person, multi-million dollar sales agency with a custom office building and sophisticated selling and customer support systems. Throughout our history we have been instrumental in the introduction of many new types and designs of batteries, battery chargers, ups systems, renewable energy systems and power control systems.

RedHawk Energy Systems, LLC is a value-added manufacturing subsidiary of the Arthur N. Ulrich Company. RedHawk helps commercial and industrial customers tackle their critical prime and back-up wayside power challenges with fully engineered and innovative solutions ranging from a few watts to several kilowatts.

Website: <http://redhawkenergy.net>

Arthur N. Ulrich Company

10340 Palmer Rd., SW

Pataskala, OH 43062

Toll-Free: 800-848-2090 (M-F: 8am-5pm EST)

Fax: 740-927-6017

Sponsor - Bronze
CSX Corporation



CSX Corporation, together with its subsidiaries based in Jacksonville, Fla., is one of the nation's leading transportation suppliers. The company's rail and intermodal businesses provide rail-based transportation services including traditional rail service and the transport of intermodal containers and trailers.

Overall, the CSX Transportation network encompasses about 20,000 route miles of track in 23 states, the District of Columbia and the Canadian provinces of Ontario and Quebec. Our transportation network serves some of the largest population centers in the nation. Nearly two-thirds of Americans live within CSX's service territory.

[Our transportation network serves some of the largest population centers in the nation. Nearly two-thirds of Americans live within CSX's service territory.](#)

CSX serves major markets in the eastern United States and has access to over 70 ocean, river and lake port terminals along the Atlantic and Gulf Coasts, the Mississippi River, the Great Lakes and the St. Lawrence Seaway. The company also has access to Pacific ports through alliances with western railroads.

CSX moves a broad portfolio of products across the country in a way that minimizes the effect on the environment, takes traffic off an already congested highway system, and minimizes fuel consumption and transportation costs.

Sponsor - Bronze

RailPros



RailPros' mission is to serve our customers as the premier engineering and diversified safety services company to America's rail and transit industry. We help to keep America moving through our expert combination of unique experiences and services we provide to [railroad](#) and rail transit companies throughout North America. Improving mobility, ensuring safety, and increasing the quality of life for our residents, passengers, companies, and leadership agencies are always our firm's primary goals.

We provide these values through our commitment to working as a team, fostering a culture of continuous improvement, and continued learning with a passion for action and excellence. This requires us to be conscious of the issues our customers face, and every day, we work to earn their trust and solve their problems. We exist to help our customers succeed.

Achieving our set goals requires a commitment to staying abreast of industry developments, news, and the latest technology to quickly adapt when needed to meet our customers' needs. We pride ourselves in aiming high in our commitments and reaching them each day. Availability is a core concept of our business model – we are able to mobilize and respond quickly when and where we are needed.

With our success comes the responsibility to create economic opportunities and give back to the communities where we work and live, in support of a more sustainable future. As a result, our company-wide initiatives foster diverse and inclusive work environments, provide innovative engineering and technology solutions, support clean air and water initiatives, and improve the overall quality of life in our communities.

RailPros is committed to protecting the environment and the safety and health of the public, our clients, and our employees in all operations. It is our goal to minimize harmful impacts on the environment through the services that we provide, and in the communities where we live and work. With our business model, we are well-positioned to serve the rail and transit industries as they address the complex challenges of climate change in their operations.

Sponsor - Silver

Alstom



Leading the way to greener and smarter mobility, worldwide.

Our ambition is to accompany all transportation stakeholders in meeting tomorrow's mobility challenges. We strive to provide them with the most efficient and digital mobility systems, while further improving the environmental friendliness of our solutions.

A comprehensive portfolio of mobility solutions

We offer a complete range of equipment and services, from high-speed trains, metros, trams and e-buses to integrated systems, customized services, infrastructure, signaling and digital mobility solutions.

Newsroom

Find the latest Alstom press releases and news, press kits, your regional press contacts and more!

The one stop shop for all relevant information for investors and shareholders

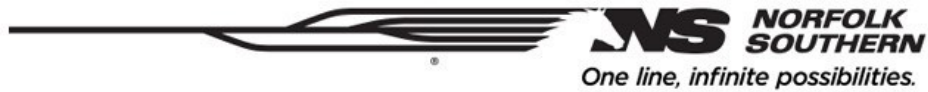
Access our financial & share information, our financial calendar and results, regulated information, shareholders' meetings and investors' contacts & presentations.

You know we make trains move. Discover how we move the world.

At Alstom, we value curious and innovative people who are passionate about working together to reinvent mobility, making it smarter and more sustainable. We are building an agile, inclusive, and responsible culture, where diverse people are offered opportunities to learn, grow and advance in their careers, with options across functions and geographies.

Sponsor - Silver

Norfolk Southern Corporation



[Norfolk Southern Corporation](#) (NYSE: NSC) is one of the nation's premier transportation companies. Its Norfolk Southern Railway Company subsidiary operates approximately 19,300 route miles in 22 states and the District of Columbia, serves every major container port in the eastern United States, and provides efficient connections to other rail carriers. Norfolk Southern is a major transporter of industrial products, including agriculture, forest and consumer products, chemicals, and metals and construction materials. In addition, the railroad operates the most extensive intermodal network in the East and is a principal carrier of coal, automobiles, and automotive parts.



About **NORFOLK SOUTHERN**

19,500 ROUTE MILES
across 22 STATES & D.C.

MAKING CONNECTIONS
Norfolk Southern (NYSE: NSC) has served the freight transportation needs of America for nearly two centuries, connecting businesses and communities to the marketplaces of the world — creating jobs, supporting economies, and transporting goods on safe, environmentally friendly rail.

- 43 PORTS SERVED
- 61 AUTOMOTIVE FACILITIES SERVED
- 55 INTERMODAL TERMINALS
- 154 TUNNELS
- 62,700 FREIGHT CARS
- 250 SHORT LINE CONNECTIONS
ASR: 200,000+ miles to NS network
- CONNECTS with Western rail carriers
- 4,155 LOCOMOTIVES
- 9,706 BRIDGES
- 41 RAIL-TRUCK TRANSFER FACILITIES

DELIVERING FOR AMERICAN INDUSTRY AND CONSUMERS

NS trains transport auto parts and finished vehicles, lumber to build homes, coal to generate electricity and manufacture steel, food on grocery store shelves, grain for poultry and livestock farmers, and a host of other products essential to households, businesses, and industries.

METALS & CONSTRUCTION	AGRICULTURE	CHEMICALS	PAPER, CLAY & FOREST	COAL	INTERMODAL	AUTOMOTIVE	7.6 MILLION TOTAL CARLOADS
10%	8%	6%	4%	15%	52%	5%	

SUPPORTING ECONOMIES & COMMUNITIES

<p><i>Economic Impact</i></p> <ul style="list-style-type: none"> 27,100 EMPLOYEES \$2.2 BILLION PAYROLL \$121,000 ANNUAL AVERAGE EMPLOYEE WAGE & BENEFITS \$5.2 BILLION PURCHASES & PAYMENTS \$930 MILLION LOCAL, STATE & FEDERAL TAXES PAID \$1.7 BILLION UNFUNDED CAPITAL INVESTMENTS (operational, freight cars, tracks and bridges) 	<p><i>Business Magnet</i> <small>ATTRACTING ECONOMIC GROWTH</small></p> <ul style="list-style-type: none"> 75 INDUSTRIES NS HELPED LOCATE & GROW \$1 BILLION IN CUSTOMER INVESTMENTS CREATED 2,000 JOBS <p><i>Extensive Network Reaches Over</i></p> <ul style="list-style-type: none"> 50% OF U.S. POPULATION MANUFACTURING & ENERGY CONSUMPTION <p><i>Greener for the Globe</i> <small>RAIL'S ENVIRONMENTAL ADVANTAGES</small></p> <ul style="list-style-type: none"> 1 TRAIN = 280 TRUCKS NS TRAINS GET 410 TONS PER TON 	<p><i>Safety is our No. 1 Priority</i> <small>COMMUNITY EDUCATION & OUTREACH</small></p> <ul style="list-style-type: none"> 8,100 FIRST RESPONDERS TRAINED <p>WHEN YOU SEE TRACKS, THINK TRAIN! <small>EXPECT A TRAIN ON ANY TRACK AT ANY TIME.</small></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>OPERATION LIFESAVER <small>Look, Listen & Live</small></p> </div> <div style="text-align: center;"> <p>THINK TRAIN</p> </div> </div> <p><i>Charitable Giving</i> <small>NS FOUNDATION 2013-2017</small></p> <ul style="list-style-type: none"> \$46 MILLION 1 MEMBERSHIP EDUCATION TRAINING
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CONNECT WITH NS

Norfolk Southern Corp. | www.nscorp.com
3 Commercial Place, Norfolk, Va. 23510
Report emergencies | 800-453-2530

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Sponsor - Silver

SEDA-COG Joint Rail Authority



The SEDA-COG Joint Rail Authority (JRA) is a publicly run entity authorized by the Pennsylvania Municipal Authorities Act.

The JRA owns over 200 miles of rail line across 9 counties in Central Pennsylvania. Governed by an 18-member board (two representatives per county), the JRA was established on June 28, 1983.

The North Shore Railroad is our operator and handles customer service, rail operations, and system maintenance. The JRA consists of 6 shortline railroads with multiple interchange locations with Norfolk Southern. We serve over 100 customers and in 2022, rail traffic topped 21,000 carloads.

This unique and successful private/public partnership is nationally recognized and ensures our mission remains in focus.

That mission, preserve and foster rail service in Central Pennsylvania and to further economic development through retention, improvement, and expansion of the infrastructure and the rail service it supports, continues forty years later.

Sponsor - Gold

RSSI



Railway System Suppliers, Inc.

Railway Systems Suppliers, Inc. is a trade association serving the communication and signal segment of the rail transportation industry. RSSI continues to grow with over 280 member companies.

Our primary effort each year is to organize and manage a trade show for our members to exhibit their products and services.

The association was incorporated in 1966 as the Railway Signal and Communication Suppliers Association Inc. Previous to that time it existed as two separate entities, one for the signal area and one dealing in the communications area of the railroad industry. Although records are vague for the years previous to 1966, there are indications that one or both of these entities were in existence as far back as 1906. In 1972 the corporate name was changed to Railway Systems Suppliers, Inc.

The governing body of the RSSI is made up of fifteen directors from fifteen member companies and meets two times a year. These elected Directors each serve for three year terms without remuneration. Any expenses involved are either born by the individual or their company.

Sponsor - Platinum

North Shore Railroad Company



The North Shore Railroad Company & Affiliates is Central PA's short line freight railroad provider.

Based in Northumberland, PA, the company consists of six short line railroads: Juniata Valley Railroad, Lycoming Valley Railroad, Nittany & Bald Eagle Railroad, North Shore Railroad, Shamokin Valley Railroad, and Union County Industrial Railroad.

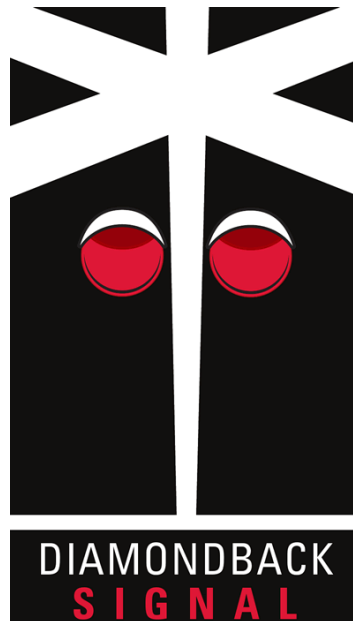
Established in 1984, the company has recently expanded its base by adding a railroad contracting company (Tartaglia Railroad Services, located in Syracuse, NY, offering track maintenance/construction services and hi rail vehicle/equipment services) and a company store (North Shore Warehouse, selling railroad merchandise online and out of Sunbury, PA).

North Shore is a well-recognized and awarded railroad company that gives all credit of its achievements to its employees - who make the company the success it is today.

Learn more about North Shore Railroad Company & Affiliates at www.nshr.com.

Sponsor - Diamond

Diamondback Signal, LLC



Diamondback Signal, LLC provides signal expertise to short line and regional railroads. Our company offers a variety of signal services specializing in FRA mandated monthly inspections and maintenance. We also offer solutions in all areas of the Rail Crossing Signal Installation business, using a turn-key approach, from survey through design to installation of railroad signal warning systems.

The Diamondback Signal Diamondback Signal, LLC provides signal expertise to short line and regional railroads. Our company offers a variety of signal services specializing in FRA mandated monthly inspections and maintenance. We also offer solutions in all areas of the Rail Crossing Signal Installation business, using a turn-key approach, from survey through design to installation of railroad signal warning systems.

The Diamondback Signal staff is composed of highly experienced railroad signal people. The firm's management, engineering, and field personnel are qualified to complete the full range of projects related to railroad signaling.

Diamondback Signal is fully insured and licensed, has the personnel, equipment, vehicles, tools and material necessary to complete any signal project on time and within the budget.

Diamondback Signal's field staff members are in a variety of locations, enabling us to respond quickly to your "trouble calls". As a result of our thorough maintenance/inspection program, and the availability of qualified local signalmen, out-of-service periods for signal systems are significantly reduced, if not eliminated.

Sponsor - Diamond

Pintsch North America, Inc.



“It’s the way we’ve always done it.”

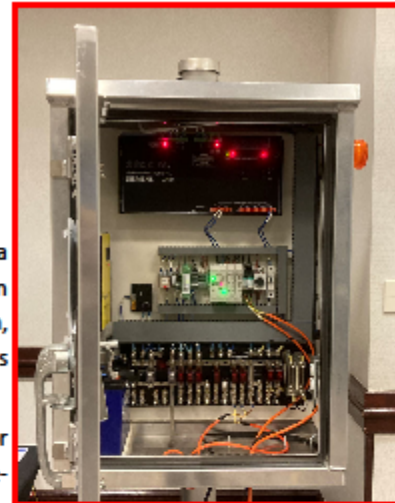
For some in the rail industry, “the way we’ve always done it” is a motto to live by. However, for those interested in genuine progress in the field of railroad signaling, Pintsch North America offers proven, modern solutions that eliminate or minimize many of the problems associated with traditional train detection methods.

Pintsch North America offers railroad signaling products known for their unprecedented reliability. Our products include custom designed and manufactured axle counting systems for:

- Highway grade crossing systems
- Interlocking systems
- Wayside signal applications.
- Switch control and protection systems
- Yard control components and systems.
- Components for defect detectors and AEI systems.

Services include:

- Applications engineering, and custom design services.
- Turn-key construction services.
- Custom design services for specialized train control products.



Pintsch now offers a complete, vital industrial grade crossing solution in a compact, low-cost package. No more inferior “garage door openers,” timer-systems, or other non-failsafe equipment.



A Pintsch constant warning grade crossing system protects both freight and passenger train movements.



Pintsch axle counting technology was the reliable solution needed for a difficult operational environment in New York City.

New for 2023!

Pintsch North America is proud to announce the introduction of our innovative SPK10 gate mechanism, which offers extreme reliability, less maintenance, and more reliable, consistent gate operation at a competitive price.

The SPK10 is ideal for all signal applications, but is especially well suited to locations requiring a compact form factor, including pedestrian walkways, transit platforms, and confined highway grade crossings.

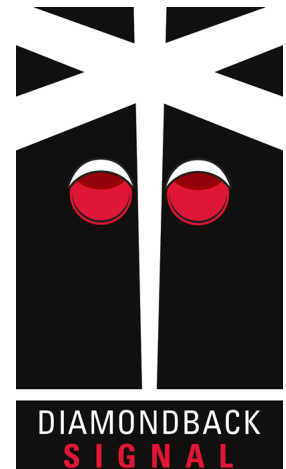
See the unveiling at the 2023 RSSI show!

Pintsch North America - www.wheel-sensors.com

Be Sure to Thank our Sponsors and Exhibitors for Their Support of the Seminar!



Rail Safety Solutions



BUILDING AMERICA®





The California Public Utilities Commission and Eastern Crossing Seminar invite you to attend the 2024 National Highway-Rail Grade Crossing Safety Conference in San Diego, California, on Tuesday August 20 through Friday, August 23, 2024.

The venue for the conference is the beautiful San Diego Westin Gaslamp Hotel.

You may register for this event, starting August 22, 2023, at <https://nationalhighwayrailconference.com>.

So **Save the Date**, register early, and we will see you in San Diego!

