

TRANSPORTATION CONSTRUCTION SAFETY PROGRAM



Leadership...Innovation...Results

An Unsurpassed Commitment to Safety

Established in 1902, the American Road & Transportation Builders Association (ARTBA) is the consensus voice of the U.S. transportation construction industry in the Nation's Capital. The association advocates strong federal investment in the nation's infrastructure to meet public and business community demand for a safe and efficient transportation network.

From the very beginning, safety has been a key part of the association's mission and a distinguished hallmark of ARTBA's leadership on behalf of the industry.

To improve safety for workers, pedestrians and motorists, ARTBA works to build consensus and develop policy by bringing together national leaders to better understand the complex and intricate interaction of safety with all aspects of transportation planning, design, construction, maintenance and repair.

Many of the association's safety programs and services that benefit industry firms and agencies are administered through the ARTBA Transportation Development Foundation (ARTBA-TDF).

To learn more about the benefits of ARTBA membership, register for training, obtain services or make a tax-deductible contribution to support the safety-related programs

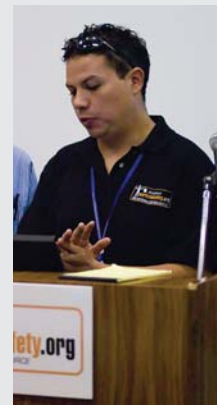
outlined in this publication, contact ARTBA Senior Vice President for Safety & Education Brad Sant at 202-289-4434 or bsant@artba.org.



ARTBA HQ in the Georgetown section of Washington, D.C.

ARTBA Safety Team: Industry Leaders

ARTBA's safety team has many years of combined experience, unmatched by any other transportation construction-related association. For several decades, ARTBA has made a commitment to hiring and retaining some of the best qualified safety professionals in the industry. Our multi-lingual team has served—and continues to serve—as advisors on government and private sector safety committees, work groups, councils and advocacy centers. Our staff advises and guides these groups as they create programs and policies to improve safety for our industry. In addition to full-time staff, ARTBA employs top-rate consultants to assist in training and program development.



ARTBA staff and consultants are recognized as national leaders in transportation safety.

Legislative & Policy Advocacy

ARTBA's safety advocacy on behalf of its members extends from the halls of Congress, to the White House, and to federal agencies where rulemaking and standard-setting processes take place. ARTBA actions have resulted in successful efforts to ensure Congress supplies adequate, dedicated funds to improve safety during transportation construction operations.

On the regulatory front, ARTBA stays in close, regular contact with federal agencies, including the Occupational Safety and Health Administration (OSHA), Federal Highway Administration (FHWA), the Environmental Protection Agency (EPA) and many other agencies to make sure the industry's voice is heard so new standards and regulations support our members' interests, are easy to understand, and enable member companies remain competitive locally, nationally, and internationally.





Traffic Safety Industry Division

ARTBA members concern about traffic safety and temporary traffic control come into focus through the association's Traffic Safety Industry Division (TSID). Since 1979, TSID has promoted the economic importance of infrastructure-related transportation safety products and programs. TSID members serve as ARTBA's "safety conscience" and underscore the association's commitment to this integral component of transportation development and improvements.

TSID's primary goals are to:

- Advocate the interests of the safety sector of the transportation construction industry and assure the availability of public resources to meet transportation safety needs;
- Monitor regulatory activity at all levels of government that may impact transportation safety; and
- Promote awareness of traffic safety as national issue and encourage the development and use of "hard" safety solutions, which protect the health and welfare of the public.

TSID creates a number of forums to promote networking with members of other ARTBA divisions and key industry leaders and organizations, including sponsorship of the National Committee on Uniform Traffic Control Devices.



TSID members annually sponsor a "Summer Social" for members of AASHTO's subcommittee on Traffic Engineering and the National Committee on Uniform Traffic Control Devices.

Safety Leadership Opportunities

ARTBA's commitment to safety provides managers of member firms the opportunity to become industry leaders in national regulatory activities, industry standard setting negotiations and development of association policies and services.

- **ARTBA Safety Management Professional Development Section (PDS):** Offers a forum for safety directors to be directly connected with other professionals in their field. The PDS network shares “best practices” information and provides suggestions for new or improved safety products through a “Safety ListServe.” Safety PDS members also have access to top notch, free safety training products developed through various federal contracts.
- **Transportation Safety Advisory Council (TSAC):** Carries the responsibility of developing safety policies across all modes of transportation, which in turn, guide ARTBA legislative and regulatory activities. TSAC membership is “cross-divisional,” meaning it includes members from all eight ARTBA divisions.
- **ARTBA Safety and Insurance Committee:** Partners with ARTBA's Contractors Division and TSAC to formulate occupational safety policies and programs. The committee also works closely with the Safety PDS to monitor safety concerns raised by industry professionals. Through subgroups, the committee develops regulatory comments, policies and training programs to meet identified safety needs.



Jim Keaton and Joy Shamay



Bud Wright



Bob Johnson



Taylor Bowlden

Training & Education Programs

ARTBA's award-winning training programs approach roadway construction safety from "both sides of the barricades." Among them:



ARTBA is a member of the National Work Zone Awareness Week Executive Committee, which annually organizes a major media event.

- **OSHA 10-Hour Training Exclusively for the Roadway Construction Industry:** A first-of-its-kind course, it focuses directly on the day-to-day hazards workers and supervisors are likely to encounter in roadway construction sites. This was a pioneering effort that used the OSHA 10-hour format, but focused on the hazards unique to the transportation construction industry. It includes topics such as the prevention of night time construction hazards, “runovers” and “backovers,” high-visibility clothing and working next to roadway traffic.
- **Roadway Safety Academy I:** Created for ARTBA’s “Transportation Builder Institute” (TBI), this five-day program creates a foundation of safety knowledge for company leaders, safety managers, foremen and supervisors. With the OSHA 510 course as its core (a pre-requisite for the OSHA 500 class), participants learn the OSHA standards covering the construction industry. Participants also receive certified First-Aid and CPR training and instruction on how safety impacts profitability.
- **Roadway Safety Academy II:** Another signature TBI course offering, this five-day academy is aimed at giving construction firms highly qualified safety training professionals. Attendees become accredited as instructors for the roadway construction-focused



ARTBA develops industry-specific safety videos and training programs.



OSHA 500 Instructor Course, which qualifies them to teach OSHA 10- and 30-hour outreach classes. It also includes flagger instructor certification and a package of high-quality training materials for use when participants return to the job.

- **Flagger Training:** ARTBA is an authorized training center for flagger certification through the National Safety Council. Upon completion of this program, workers understand the procedures for directing traffic along with key personal safety practices.



ARTBA staff leads flagger training in Washington, D.C.

- **Language Training:** ARTBA has developed an intense Spanish-language training course for roadway construction. Using “safety” as the background for teaching key phrases, vocabulary and basic sentence construction, the program is geared to foster communication between English and Spanish speaking crew members. English speakers learn basic Spanish phrases, while Spanish speakers learn basic English. Both languages are taught simultaneously to improve communication and cultural awareness.
- **Other Services:** In addition to the programs referenced above, ARTBA offers customized on-site training programs and auditing services such as:
 - Management Commitment to Safety
 - Trenching and Excavations
 - Competent Person
 - OSHA 30-Hour Courses
 - Safety Benchmarking
 - Safety Site Audits
- **Safety Products:** ARTBA has many safety products available in our catalogue and on-line store at www.artba.org. Most products are available in both English and Spanish. These include video courses on Avoiding Runovers & Backovers, use of PPE, and Flagger Safety.



The ARTBA-TDF administers safety educational programs and services through contracts and cooperative agreements with the federal government and other industry allies.

- **National Work Zone Safety Information Clearinghouse:** With its partner and subcontractor the Texas Transportation Institute, ARTBA-TDF's Clearinghouse (www.workzonesafety.org) is the world's largest roadway work zone safety information resource. The facility handles more than 200,000 information requests annually.
- **“Turning Point: Work Zone Safety for New Drivers”:** An innovative program that helps teenage drivers better understand the hazards of driving through road construction zones, it comes with a training video, interactive CD-based driving simulator, searchable CD-library, and other classroom instructional materials.
- **Roadway Safety for Construction Workers:** An award-winning program developed through labor-management-government cooperation, it offers interactive worker awareness training on 33 typical

hazards found in roadway construction. It features an interactive training DVD, safety booklets, tri-fold brochures, and nine guideline documents to explain various industry “best practices” to increase safety in work zones.

- **Custom Safety Training for Roadway Construction:** Developed through an OSHA Harwood contract, this four-hour training specializes in the four hazards that lead to the most insurance claims according to industry data: runovers/backovers, ergonomics, fleet safety and management commitment.
- **Pre-Apprenticeship Safety Training:** This 12-week safety and language training course was developed in partnership with the Washington, D.C. Department of Transportation apprenticeship training program. It is aimed at minority and disadvantaged workers provides English and Spanish language training in the context of work place safety and health.
- **Preventing Runovers and Backovers—Internal Traffic Control:** Developed in partnership with the National Institute for Occupational Safety and Health, this course explains in detail the concept of “Internal Traffic Control.” It is designed to train contractors and their employees how to safely navigate around workers and equipment in work zones to avoid runovers and backovers of workers on foot.

Partnerships & Alliances

The following federal government agencies, unions, companies and construction-related groups are ARTBA safety partners and alliance members:

- Federal Highway Administration
- Occupational Safety & Health Administration
- American Association of State Highway & Transportation Officials
- Associated General Contractors of America
- International Association of Bridge, Structural Ornamental and Reinforcing Ironworkers
- International Union of Operating Engineers
- Laborers' Health and Safety Fund of North America
- Laborers' International Union of North America
- National Asphalt Pavement Association
- National Institute for Occupational Safety and Health
- U.S. Department of Labor
- The Center for Construction Research and Training

- Highway Partners Safety Venture
- Decade of Action for Road Safety

ARTBA also builds coalitions, partnerships and networks to leverage its safety and health activities and forge consensus on behalf of industry professionals.

- **Roadway Work Zone Safety & Health Alliance:** An OSHA-led and industry alliance, it is designed to improve safety and health for roadway construction workers, particularly Hispanic and other non-English speaking employees.
- **Drug Free Work Place Alliance:** Originally created by the U.S. Department of Labor (DOL) and the construction industry, the goal of this group is to achieve drug-free construction sites.
- **National Safety Council Partnership:** Seeks mutually-advantageous opportunities to promote safe driving in roadway work zones and improve worker safety on roadway construction sites.
- **International Safety Equipment Association Roadway Construction Outreach:** Advances greater understanding of the need for and appropriate use of personal protective equipment in the roadway construction industry.



Meetings & Conferences

Since 1985, ARTBA has organized and conducted national conferences to promote roadway work zone safety and since 2000, the conferences and related trade shows have been offered at least every two years. The conference and exhibit have grown substantially, evolving into a major industry event.

Our comprehensive safety conferences cover all aspects of transportation construction safety, ranging from traffic control best practices to cutting-edge ideas to promote occupational safety and health. In recent years, ARTBA began offering conferences and workshops through its National Work Zone Safety Information Clearinghouse—and with other industry partners—to provide multiple educational forums. In 2012, the broad conference moved to a “virtual” platform allowing participants from around the world to participate from their personal computer at no cost.



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The National Work Zone Safety Information Clearinghouse
THE WORLD'S LARGEST INTERNET RESOURCE

ROADWAY workzonesafety.org THE INFORMATIONAL RESOURCE

Crash Data | Expert Contacts | Laws & Regulations | News & Events | Public Awareness | Research | Safety Products | Standards & Practices | Training | Links

HOT TOPICS

- FHWA Work Zone Safety Grant Program
- Flagger Training and Certification
- High Visibility Clothing
- Work Zone Performance Measures

REGISTER

Free access to Listserv, Newsletter, Alerts, Post Products, and more ...

OUR MISSION

The National Work Zone Safety Information Clearinghouse is dedicated to providing the transportation industry with the most current and comprehensive information available on work zone safety.

UPCOMING EVENTS

Coming Soon ...

INTERNATIONAL FOR

- Drivers
- Engineers
- News Media
- Workers/Highway Contractors

International Resources:

- 中文
- العربية
- 日本語
- Español
- Français
- Русский

Roadway Safety+ Version 9 Now Available

Road Construction Industry Consortium Program

Roadway Safety Awareness Program - Free Download

Traveling? Check out FHWA's National Traffic and Road Closure Information web site.

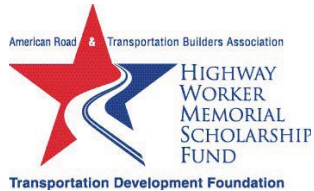
Website for the National Work Zone Safety Information Clearinghouse.



Attendees at a ARTBA work zone safety clearinghouse event interact with presenters to understand industry best practices.

Awards & Scholarship Programs

The ARTBA-TDF offers these scholarship and awards programs:



- **Lanford Family Highway Worker Memorial Scholarship:** Created in 1999, this first-of-its-kind program provides post high school financial assistance to help the children

of highway construction workers killed or permanently disabled on the job. More than 100 scholarships have been awarded to worthy students from around the country.

- **Roadway Work Zone Safety Awareness Awards:** Established in 2001, the awards recognize outstanding public and private sector initiatives aimed at improving safety in roadway construction zones.
- **ARTBA Contractor Safety Awards:** Launched in 2007, the awards recognize transportation contractors that demonstrate outstanding commitment to worker safety at all levels of corporate management.



Highlights of Major Safety Activities 1977-2012

1977

ARTBA establishes Transportation Safety Advisory Council, charged with developing and recommending expanded policies and programs.

1979

ARTBA establishes Traffic Safety Industry Division.

1985

ARTBA organizes first-ever “National Conference on Highway Work Zone Safety” to initiate a national dialogue and formulate an agenda.

1992

ARTBA works with CNA to develop the first-ever comprehensive business insurance product tailored to highway construction firm needs.

1993

An ARTBA task force and CNA develop and publish the first comprehensive manual on safety topics tailored to highway construction firms.

1994

ARTBA organizes second “National Conference on Highway Work Zone Safety.”

1995

ARTBA secures language in “National Highway System

Designation Act,” directing the U.S. Secretary of Transportation to initiate creation of a clearinghouse dedicated to addressing roadway work zone-related accidents.

1998

ARTBA enters strategic alliance with the National Safety Council (NSC) to jointly develop, promote and implement programs designed to reduce accidents in roadway construction zones.

ARTBA is awarded multi-year contract by federal government to create and operate the National Work Zone Safety Information Clearinghouse (NWZSIC).

ARTBA releases landmark study “The Federal Highway Program & Highway Safety: An Economic Analysis,” the first-ever research to quantify the public health economic benefits of federal highway investment.

1999

ARTBA begins offering training videos that examine roadway work zone dangers and offers advice on how to lower risks.

ARTBA initiates Professional Development Section for safety managers.

ARTBA Transportation Development Foundation (ARTBA-TDF) creates “Highway Worker Memorial Scholarship

Program” to help children of highway workers killed or permanently disabled on the job pursue higher education.

2000

ARTBA wins several national awards for programs aimed at creating industry and public awareness of roadway construction safety issues.

ARTBA partners with industry to launch an annual National Work Zone Awareness Week.

ARTBA hosts roadway safety leadership symposium, “A Partnership for Transportation Construction Safety.”

Federal support for NWZSIC ends and ARTBA-TDF assumes control of facility’s operations, with financial support from private sector safety leaders.

ARTBA unveils Occupational Safety & Health Administration (OSHA)-accredited “10-Hour” safety-training course focused on roadway construction.

ARTBA-TDF awards first two “Highway Worker Memorial Scholarships.”

2001

ARTBA hosts first “International Conference on Work Zone Safety.”

ARTBA launches annual “Roadway Work Zone Safety Awareness Awards” with National Safety Council (NSC)

to recognize efforts aimed at promoting work zone safety awareness developing innovative safety-related technologies.

ARTBA is awarded Federal Highway Administration (FHWA) grant to develop work zone safety curriculum for teenage drivers.

2002

ARTBA hosts “Roadway Work Zone Safety Conference and Exhibition.”

ARTBA and its industry allies promote safety education in Spanish and English to train new workers on roadway construction projects under OSHA grant.



ARTBA and NSC begin offering the OSHA 10-Hour accredited training for the roadway construction industry in Spanish.

2003

Olympic Gold Medal Gymnast Dominique Dawes is selected as ARTBA spokesperson on work zone safety

program for teen drivers and participates in a National Work Zone Awareness Week media event.

ARTBA-TDF, NSC and CNA are awarded OSHA grant to conduct safety training to educate workers and supervisors about roadway work zone hazards.

ARTBA and industry allies formalize alliance to develop awareness training and education programs aimed at improving the health and safety of workers and motorists in roadway construction zones.

ARTBA co-organizes “Mid-West Work Zone Safety Conference.”

ARTBA signs a “Work Zone Safety Alliance” agreement with OSHA, the National Institute for Occupational Safety & Health, NAPA, LIUNA and IUOE.

ARTBA and International Road Federation (IRF) launch international training program, “Executive Seminar on Roadway Safety.”

2004

ARTBA and Amsterdam RAI announce partnership to create “Intertraffic North America,” the continent’s first comprehensive conference and exposition for the transportation construction and traffic management industries.

ARTBA hosts “2004 Roadway Work Zone Safety

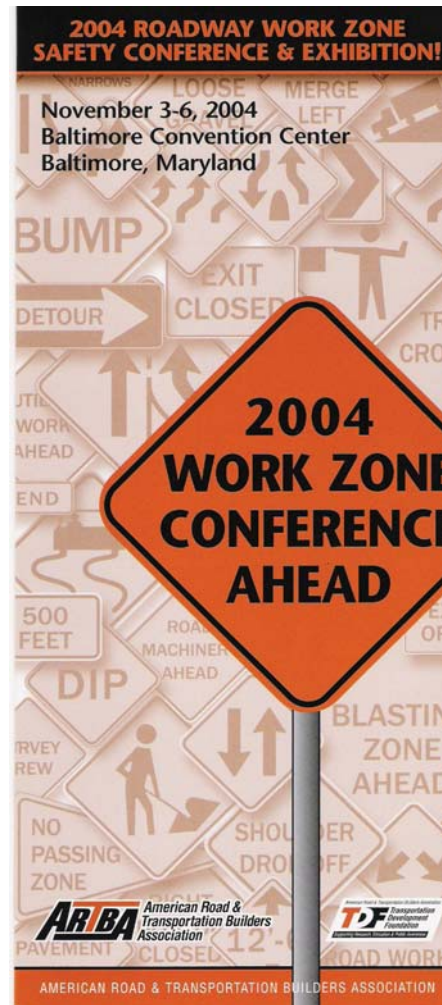
Conference & Exhibition.”

NWZSIC handles more than 80,000 information requests.

ARTBA-TDF and IRF host two “Executive Seminars on Roadway Safety” in Egypt and Argentina.

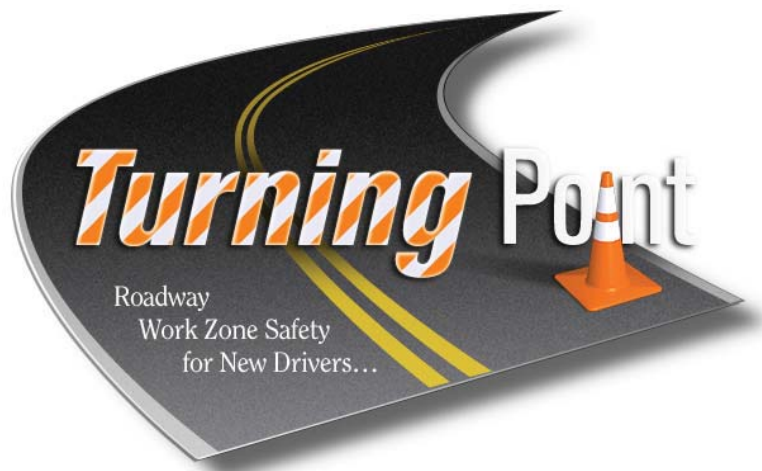
ARTBA-TDF and CNA awarded an OSHA Harwood Grant to conduct training based on industry insurance claim data.

ARTBA-TDF begins offering customized, on-site safety courses on a range of topics in addition to existing OSHA course offerings.



2005

ARTBA-TDF unveils “Turning Point: Roadway Work Zone Safety for New Drivers.”



ARTBA hosts “Intertraffic North America” in Baltimore, Maryland.

ARTBA hosts Work Zone Safety Conference at Intertraffic North America.

ARTBA-TDF and CNA awarded another OSHA Harwood Grant to conduct training based on industry insurance claim data.

ARTBA-TDF and IRF host “Executive Seminar on Roadway Safety” in Madrid, Spain.

2006

ARTBA-TDF awarded OSHA Harwood grant to expand “Roadway Safety” program to include Disaster Response and Deployment and Retrieval of Temporary Traffic Control Devices.

ARTBA-TDF awarded a four-year FHWA cooperative agreement to expand and enhance the services of the National Work Zone Safety Information Clearinghouse.

ARTBA-TDF awarded contract from the District of Columbia Department of Transportation to teach Spanish, English, safety, and basic work skills to minority and disadvantaged workers.

ARTBA-TDF and partners awarded a four-year grant from FHWA to develop and deliver work zone safety training courses.

2007

NWZSIC hosts the “National Traffic Management and Work Zone Safety Conference” at Intertraffic North America.

NWZSIC launches new image and marketing campaign including a completely redesigned website; begins offering web-based training and seminars; services over 100,000 users.



ARTBA and RAI Amsterdam host second “Intertraffic North America” exhibition in Fort Lauderdale, Florida.

ARTBA-TDF expands safety services and staff to begin offering on-site training and auditing services.

ARTBA-TDF and CNA launch contractor safety award program to recognize excellence and industry-leading achievement in construction employee safety and health programs.

2008

ARTBA and partners renew ground-breaking “Contractor-Labor-Government OSHA Alliance program” where all sectors of the industry work together to promote safety for roadway construction workers.

NWZSIC webinar services grow, providing webinars to over 500 people per session.

ARTBA asked to represent the transportation construction industry for development of the National Occupational Research Agenda, organized by the National Institute for Occupational Safety and Health (NIOSH).

2009

NWZSIC Conference is held in conjunction with World of Asphalt in Orlando, Florida. Hundreds of participants attend from across the U.S. and abroad to learn about best practices in work zone safety.

NWZSIC launches “Power Workshop” at the “International Bridge Conference” in Pittsburgh, Pennsylvania.

ARTBA develops and begins offering a new safety video promoting use of Personal Protective Equipment (PPE).

Through various training initiatives, ARTBA and its partners provide safety training to over 3,800 members of the industry.

2010

NWZSIC “Power Workshops” continue at World of Asphalt and International Bridge Conference.

NWZSIC webinars continue, with some sessions providing information to over 2,000 registered participants

ARTBA develops and begins offering a new safety video on “Avoiding Runovers and Backovers” on roadway construction sites.

ARTBA becomes a founding member of the “Highway Safety Partners Venture” or HSPV—a group of 20+ organizations focused on roadway safety that gathers

quarterly to share ideas, coordinate activities and work to promote highway safety.

Through various training initiatives, ARTBA and its partners provide safety training to over 4,000 members of the industry.

2011

ARTBA-TDF awarded a three-year FHWA cooperative agreement to develop work zone safety training courses and products, with a particular focus on the needs of local/rural roads.

ARTBA-TDF awarded an OSHA Harwood grant to conduct training on prevention of “Runovers and Backovers” in Work Zones through use of “Internal

Traffic Control” concepts.

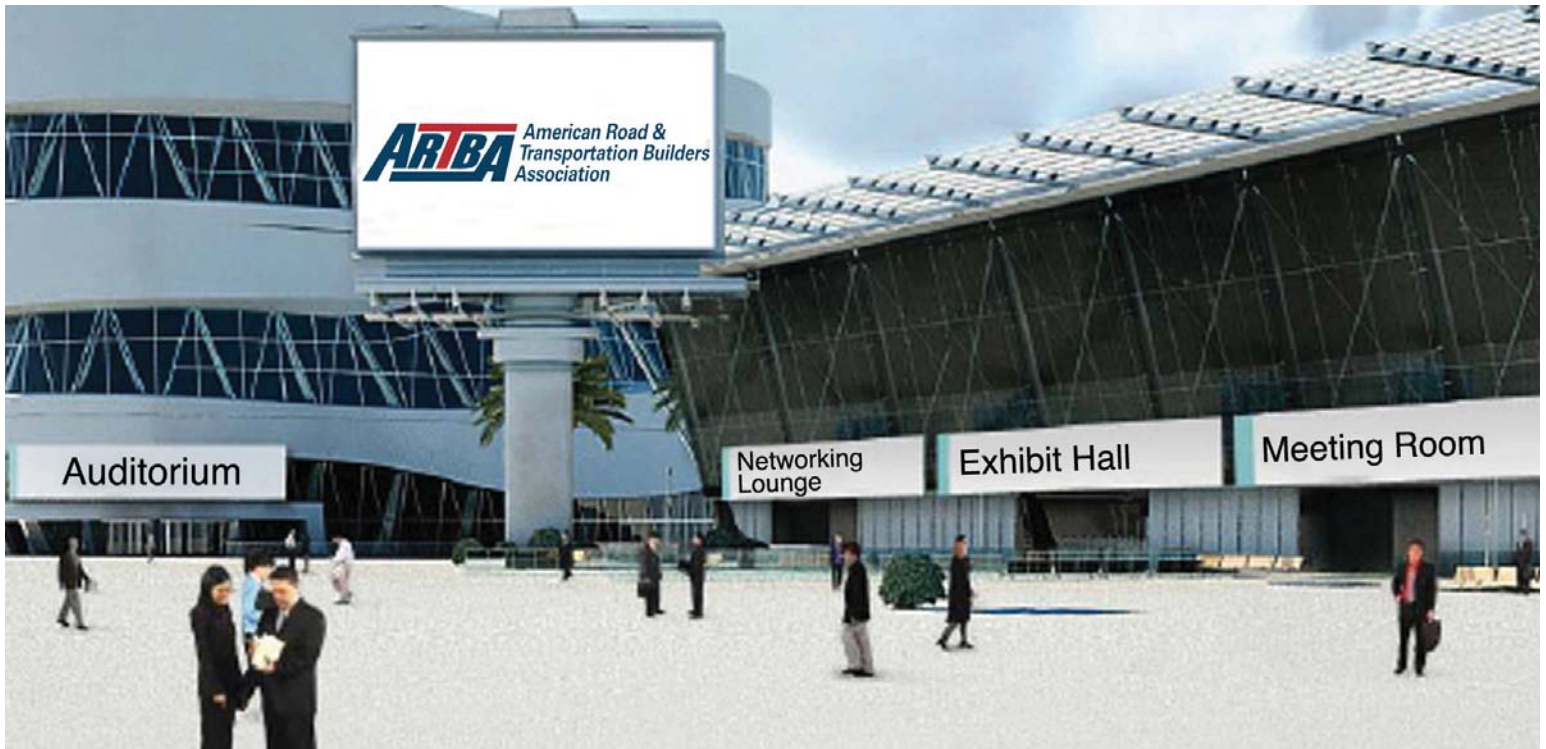
NWZSIC launches its quarterly video news report to update industry on work zone safety news and information.

NWZSIC offers “Power Workshop” at “International Bridge Conference.”

ARTBA-TDF launches new “Best of the Best” safety academy where leading companies explain to other industry members what they do to obtain excellent safety results.

Through various training initiatives, ARTBA and its partners provide safety training to over 3,500 members of the industry.





2012

NWZSIC uses cutting-edge technology to power an interactive “virtual conference” for public officials, contractors and other transportation industry professionals: “Best Practices in Work Zone Safety.”

ARTBA-TDF begins offering “Preventing Runovers and Backovers” course through OSHA Harwood contract.

ARTBA finishes development and begins offering a new safety video explaining safe flagging practices.

ARTBA and partners renew ground-breaking “Contractor-Labor-Government OSHA Alliance program” to promote safety for roadway construction workers, particularly promoting safety for non-native English speaking workers.



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