The jobsite safety of the men and women who build and maintain America’s transportation infrastructure—as well as that of those who travel through our work zones—is a top priority for the American Road & Transportation Builders Association (ARTBA) membership. And for this reason, the development and provision of safety programs and training is a core competency of ARTBA and its Transportation Development Foundation.

Our unique and wide-ranging safety program includes:

- Policy development and legislative and regulatory engagement at the federal and state levels;
- Operation of the industry’s only internationally-recognized professional certification program—“Safety Certification for Transportation Project Professionals™” opened for exams in October 2016;
- Development and operation of an Online Learning Management System that offers safety training and professional development hours (PDHs) 24-7;
- Development and execution of federally-supported training programs and materials targeted to transportation construction workers;
- Operation of the web-based “National Work Zone Safety Information Clearinghouse”—the world’s largest repository of information on the topic;
- Leadership in national safety coalitions and organizations;
- National awards programs to recognize and promote safety excellence; and
- A scholarship program to help children of highway workers killed or permanently disabled on the job pay for their post-high school education.

Over the past 20 years, these activities have resulted in difference-making accomplishments like:

- Federal laws requiring the collection and analysis of roadway construction safety data, support for the National Work Zone Safety Information Clearinghouse and development of a driver’s education module to help first-time motorists safely navigate road construction zones;
- Responding to over 2 million requests for safety information;
- Providing safety training to over 100,000 workers;
- Development of over 40 safety training courses and more than 25 technical guidance publications;
- Conducting 20 national or international safety conferences and workshops; and
- Providing more than $500,000 in scholarships.

The ARTBA Transportation Construction Safety Center (www.artbasafetycenter.org) is your gateway to these valuable programs and services which are highlighted in this publication.
LEGISLATIVE & REGULATORY ADVOCACY

ARTBA’s legislative and regulatory advocacy on safety matters on behalf of its members reaches Capitol Hill and the White House, where we regularly put forward policy recommendations in transportation bills, and it extends to federal agencies, where we make sure officials understand the practical impacts of proposed rules or standards. The Traffic Safety Industry Division, Safety Management Professional Development Section, Transportation Safety Advisory Council, and Safety & Insurance Committee serve as vehicles for communicating the industry’s views on these matters.

Over the years, ARTBA’s actions have resulted in successful efforts to ensure that Congress devotes increased investment to improve safety during transportation construction operations.

On the regulatory front, ARTBA stays in regular contact with federal agencies, including the Occupational Safety & Health Administration (OSHA), the Federal Highway Administration (FHWA), the Environmental Protection Agency (EPA), and many others to make sure the industry’s voice is heard. ARTBA staff and members have served and continue to serve on key federal committees, including the “National Committee on Uniform Traffic Control Devices,” OSHA’s “Advisory Committee on Construction Safety and Health,” FHWA’s “Dialogue on Transportation Operations,” and “Highway Safety Partners Venture” committee, among others.

The association strives to ensure new standards and regulations support our members’ interests, are easy to understand, and enable member companies to remain competitive at home and abroad.

TRAFFIC SAFETY INDUSTRY DIVISION

ARTBA member concerns come into focus through the Traffic Safety Industry Division (TSID). Created in 1979, it 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.

The division’s primary goals are to:

- Advocate the interests of the safety hardware manufacturing sector within 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 a 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 (and a founding member) of the National Committee on Uniform Traffic Control Devices.

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.

TRANSPORTATION SAFETY ADVISORY COUNCIL

The Transportation Safety Advisory Council (TSAC) is a cross-divisional council, open to members of each and every ARTBA division. It carries the responsibility for developing safety policies across all modes of transportation, which in turn, guide ARTBA legislative and regulatory activities. Because TSAC represents all divisions, it becomes a microcosm for national legislative and regulatory activities as each industry sector argues and compromises to develop ARTBA safety policy. Given the diversity reflected in this council, TSAC’s policies are well vetted, ensuring a powerful voice on Capitol Hill that is recognized as reflecting the desires of the entire transportation construction industry.

SAFETY & INSURANCE COMMITTEE

The Safety & Insurance Committee partners with ARTBA’s Contractors Division and TSAC to formulate occupational safety policies and programs. It also works closely with its members and national safety leaders to monitor concerns raised by industry professionals. Through subgroups, the committee develops regulatory comments, policies and training programs to meet identified safety needs.
CERTIFICATION PROGRAM

ARTBA’s award-winning programs approach roadway construction safety from “both sides of the barricades.”

**Safety Certification for Transportation Project Professionals™**

Developed and launched by top industry executives and safety leaders in 2016, the certification program focuses on raising hazard awareness and improving safety performance on infrastructure projects by testing the candidate’s knowledge on recognition and abatement of common hazards found on transportation construction sites—such as backovers, falls, temporary traffic control, excavations and motorist intrusions.

Its target audience: transportation project workers, supervisors, foremen, inspectors, designers, equipment operators, manufacturers, materials suppliers and owners.

The SCTPP program helps ensure there are people on every project who have the basic knowledge and skills to address—and correct—safety hazards. It is designed to meet the rigorous protocols required for accreditation by the International Organization for Standardization (ISO) and the American National Standards Institute (ANSI).

The program is anchored by a comprehensive website: www.puttingsafetyfirst.org.

“The Safety Certification for Transportation Project Professionals program has the potential to change the industry by providing recognition for demonstrated construction knowledge gained from an educational or experiential background. This certification will enable us to ensure qualified people, with construction backgrounds, are on site to help secure the safety of employees and those in the community.”

--Rand Magee, Group Director, Safety, Kiewit Corporation

“The SCTPP certification is a true game-changer for the entire transportation construction industry. It empowers those certified with the credentials and credibility they need to raise the bar in construction safety. I know of no other certification out there that compares to what the SCTPP accomplishes.”

--J.R. Glascock, Corporate Safety Manager-Field Operations, The Lane Construction Corporation
SAFETY CLEARINGHOUSE & ONLINE LEARNING

National Work Zone Safety Information Clearinghouse

In follow up to ARTBA's 1994 National Conference on Highway Work Zone Safety, the association took the recommendations from the event’s proceedings book and successfully secured language in the 1995 “National Highway System Designation Act” directing the U.S. Secretary of Transportation to initiate a wide array of research, education and public awareness activities to combat roadway work zone-related accidents, including establishment of a National Work Zone Safety Information Clearinghouse. That subsequently led to the U.S. DOT issuing a request for proposals for creation of such a facility. After a competitive process with other industry groups, ARTBA was awarded the contract in 1997.

Twenty years later, the Clearinghouse has become the world’s largest online resource (www.workzonesafety.org) for all things related to roadway construction safety, fulfilling 200,000 information requests annually. It provides free access to interactive educational events such as live conferences and webinars, virtual meetings, Listserv email lists, posters and other educational materials. The information is available in more than eight languages. The Clearinghouse is owned by ARTBA and operated through its Foundation in partnership with FHWA and the Texas Transportation Institute.

Online Learning Centers

The ARTBA Online Learning Center (“Prep Courses” at www.puttingsafetyfirst.org) provides Professional Development Hours (PDH) and can help prep individuals for the Safety Certification for Transportation Project Professionals™ exam. Among the courses:

- Traffic Control
- Work Sites
- Personal Protective Equipment
- Hazard Control
- Communication
- Environmental Conditions
- Risk Management
- Building Safety Plans

In addition, through the use of web-based training, the ARTBA Work Zone Safety Consortium Online Learning System was created to provide free training and education to the transportation construction community. It provides state-of-the-art training on nearly 20 work zone safety topics, including sight distances, work zone access and egress, night work, temporary traffic control and speed management. This training is available 24 hours-a-day, seven days-a-week through the National Work Zone Safety Information Clearinghouse at www.workzonesafety.org.
EDUCATION & TRAINING SERVICES

ARTBA’s award-winning training programs approach roadway construction safety from “both sides of the barricades,” meaning we aim to ensure motorists, workers and pedestrians can safely navigate work zones when construction is underway.

For more information on costs to schedule one of the programs below, contact Brad Sant at bsant@artba.org or call 202.683.1008.

Safe Backing & Spotting

More than two roadway construction or maintenance workers are killed on the job every week. Another 40 workers are injured every day. To address this serious issue, the association launched a first-of-its-kind “Safe Backing & Spotting” certificate program that focuses on training workers to avoid dangerous traffic areas on roadway construction sites, to recognize hazards surrounding equipment, and to provide clear communication between drivers/operators and spotters through the use of standardized signals and communication.

During the four-hour course, crew members learn:

• A thorough understanding of spotting signals and communications between drivers/operators and spotters. Through this course, ARTBA introduced the first set of nationally-standardized hand signals.

• Recognition of the “sphere of safety”—the hazards above, below and around moving equipment, and how to communicate those hazards to workers, operators and drivers;

• Traffic and pedestrian routing strategies as a result of hands-on training, classroom activities and a spotting skills test; and

• How to identify equipment blind spots, and train workers and operators how to safely navigate congested work areas.

OSHA 10-Hour and 30-Hour Classes Training Exclusively for the Roadway Construction Industry

These courses are for owners, safety managers, supervisors, and workers and are focused on the hazards and situations that roadway construction workers face every day, including topics such as the prevention of night time construction hazards, “runovers” and “backovers,” high-visibility clothing and working next to roadway traffic. This training helps set the standard for the entire transportation construction industry.

Flagger Training

ARTBA’s Foundation is an authorized training center for certified flagger training through the National Safety Council (NSC). Upon completion of this four-hour program, workers understand the procedures for directing traffic along with other key safety practices.

“"The trainers we have had from ARTBA have been great to work with when conducting the OSHA 10-Hour, and Preventing Runovers and Backovers courses. The grants allow front line and supervisory staff to take advantage of these trainings that may not have been otherwise available. I can only hope that these important workshops are continued and funded.”

--Paul Albritton, Technical Training Coordinator, Iowa State University Institute for Transportation
First-Aid and CPR
Instruction for this training is available from ARTBA’s Foundation through a partnership with the National Safety Council (NSC). Each program can be completed in approximately four hours.

Language Training
ARTBA has developed a comprehensive 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.

Contract-Supported Courses
Through a variety of federal contracts, ARTBA’s Foundation provides the following training and education at no charge.

Roadway Safety+
Developed through a series of contracts with FHWA and OSHA, Roadway Safety+ is the most widely vetted, vertically integrated and most advanced interactive software for road construction safety. This two to 16-hour (2 days) course can be tailored according to the needs of the students. It contains 35 interactive training modules, 29 toolbox pamphlets, five trainee booklets, 13 guidance documents, and two instructor guides. A minimum of 20 students per class is required.

Fall Prevention for Transportation Contractors
Aimed at preventing occupational deaths and injuries associated with falls in highway, street and bridge construction, this program is multi-faceted and includes comprehensive training and information on: horizontal life lines; swing falls; anchorage points; fall prevention ensemble components and selection; self-retracting lifelines; aerial work platforms; rescue and suspension trauma; mounting and dismounting equipment; and walking and working surfaces.

Preventing Runovers & Backovers–Internal Traffic Control
Developed in partnership with the National Institute for Occupational Safety and Health (NIOSH) and OSHA, this 3-hour course explains for contractors and their employees how they can help reduce fatalities and accidents in the roadway construction industry by separating trucks and heavy machines from workers on foot in the work zone and creating an internal traffic control plan. Surveys of participants have shown this course substantially improves organization and safety behavior in the work zone. This course requires a minimum of 20, but no more than 40 students per class.

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 library and other classroom instructional materials.

Other Programs & Products
In addition to the programs referenced above, ARTBA offers customized on-site training and auditing services such as:

- Management Commitment to Safety
- Trenching and Excavations
- Competent Person
- OSHA 30-Hour Courses
- Safety Benchmarking
- Safety Site Audits

The association also offers training manuals and videos on personal protective equipment, flagging, and avoiding “runovers” and “backovers” that are available at www.artbastore.org. Most products are available in both English and Spanish.
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
• CPWR – The Center for Construction Research and Training
• Transportation Research Board

COALITIONS

ARTBA builds coalitions and networks to leverage its safety and health activities and forge consensus on behalf of industry professionals. Among them:

Roadway Work Zone Safety & Health Alliance
An OSHA-led and industry-supported alliance, it is designed to improve safety and health for roadway construction workers, particularly Hispanic and other non-English speaking employees.

National Safety Council Partnership
It 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
It advances greater understanding of the need for and appropriate use of personal protective equipment in the roadway construction industry.

National Committee on Uniform Traffic Control Devices
ARTBA is a founding/sponsoring partner of the National Committee on Uniform Traffic Control Devices (NCUTCD), which assists in the development of standards, guides and warrants for traffic control devices and practices used to regulate, warn and guide traffic on streets and highways. NCUTCD develops public and professional awareness of the principles of safe traffic control devices and practices and provides a forum for qualified individuals with diverse backgrounds and viewpoints to exchange professional information.

Highway Partners Safety Venture
This ad hoc group focuses on improving communications between the federal government, national associations, practitioners, and private sector groups representing the collective interests of national, state, and local stakeholders in the traffic safety arena.

Decade of Action for Road Safety
Launched by the United Nations, this global effort brings together governments and public and private sector organizations to promote safer roadways around the world, including motorists, cyclists and pedestrians.
MEETINGS & CONFERENCES

Since 1985, ARTBA’s Foundation has organized and conducted more than 20 international and national conferences, workshops and seminars to promote roadway work zone safety. Since 2000, the conferences and related trade shows have been offered at least every two years and grown into major industry events.

The Foundation’s 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.

AWARDS & SCHOLARSHIP PROGRAMS

The ARTBA Foundation offers these scholarship and awards programs:

John “Jake” Landen Memorial Highway Safety Award
Established in 1989 in memory of Traffic Safety Industry Division leader and Past ARTBA Chairman (1976) J.C. Landen, this annual award recognizes individuals from both the public and private sectors for their outstanding contributions to roadway safety.

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 150 scholarships have been awarded to worthy students from around the country.

Contractor Safety Awards
Launched in 2007, the awards recognize transportation contractors that demonstrate outstanding commitment to worker safety at all levels of corporate management.

KEY RESOURCES

www.artbasafetycenter.org

www.puttingsafetyfirst.org

www.workzonesafety.org
Management of National Work Zone Safety Information Clearinghouse (NWZSIC) reaches 20th anniversary.

Federal Highway Administration (FHWA) Work Zone Training Grants program online Learning Management System established.

“Safe Backing & Spotting” certificate course created to educate workers and supervisors.

Eight animated safety training videos produced based on National Institute of Occupational Safety & Health (NIOSH) reports explaining worker deaths and providing recommendations to avoid and prevent similar fatalities.


New contracts signed with FHWA and Occupational Safety & Health Administration (OSHA) to provide safety training and education.


First-ever “Preventing Runovers & Backovers” course offered through OSHA Harwood contract.

New safety video produced on safe flagging practices.

“Contractor-Labor-Government OSHA Alliance” program to promote safety for roadway construction workers renewed.
2011
Three-year FHWA cooperative agreement awarded to develop work zone safety training courses and products for local/rural roads.

OSHA Harwood contract awarded to conduct training on prevention of “runovers” and “backovers” in work zones.

2010
“Power Workshops” on work zone safety held at World of Asphalt (WoA) and International Bridge Conference (IBC).

New safety video produced on “Avoiding Runovers & Backovers” at roadway construction sites.

“Highway Safety Partners Venture,” a group of 20+ organizations focused on roadway safety that meets quarterly to share ideas, coordinate activities and work to promote highway safety, launched.

2009
National Work Zone Safety Conference held in conjunction with WoA in Orlando.

First-ever “Power Workshop” on work zone safety launched at IBC.

New safety video produced promoting use of Personal Protective Equipment.

2008
“Contractor-Labor-Government OSHA Alliance” program where all sectors of the industry work together to promote safety for roadway construction workers renewed.

NWZSIC National Traffic Management & Work Zone Safety Conference hosted at Intertraffic North America (INA).

Contractor Safety Awards launched in partnership with CNA Insurance.

2007
OSHA Harwood contract awarded to expand “Roadway Safety” program to include Disaster Response and Deployment and Retrieval of Temporary Traffic Control Devices.

D.C. DOT contract awarded to teach Spanish, English, safety, and basic work skills to minority and disadvantaged workers.

Four-year FHWA contract awarded to develop work zone safety training courses.

2006
“Power Workshop” on work zone safety launched at IBC.
2001

- First-ever International Conference on Work Zone Safety held in St. Louis.
- “Roadway Work Zone Safety Awareness Awards” created in partnership with NSC.
- FHWA contract awarded to develop work zone safety curriculum for teenage drivers.

2002

- ARTBA and Amsterdam RAI created INA, the continent’s first conference and exposition for the transportation construction and traffic management industries.
- Roadway Work Zone Safety Conference & Exhibition hosted in Baltimore.
- Two “Executive Seminars on Roadway Safety” held in Egypt and Argentina in partnership with IRF.
- OSHA Harwood contract in partnership with CNA Insurance awarded to conduct training based on industry insurance claim data.

2003

- National Safety Council (NSC), CNA Insurance and ARTBA’s Foundation awarded OSHA contract to conduct safety training on roadway work zone hazards.
- Mid-West Work Zone Safety Conference held in Springfield, Ill.
- “Work Zone Safety Alliance” agreement signed with ARTBA’s Foundation, OSHA, National Institute for Occupational Safety & Health (NIOSH), National Asphalt Pavement Association (NAPA), Laborers’ International Union of North America (LIUNA), and International Union of Operating Engineers (IUOE).
- “Executive Seminar on Roadway Safety” held in Miami in partnership with IRF.

2004

- “Turning Point: Roadway Work Zone Safety for New Drivers” produced.
- Work Zone Safety Conference held at INA in Baltimore.
- “Executive Seminar on Roadway Safety” held in Spain in partnership with International Road Federation (IRF).

2005

- National Safety Council (NSC), CNA Insurance and ARTBA’s Foundation awarded OSHA contract to conduct safety training on roadway work zone hazards.
1994

- Second National Conference on Highway Work Zone Safety held in Washington, D.C.

1995

- Language secured in National Highway System Designation Act directing the U.S. DOT secretary to initiate creation of a clearinghouse dedicated to addressing roadway work zone accidents.

1997

- Training videos examining roadway work zone dangers and offers advice on how to lower risks produced for first time.

1998

- Strategic alliance formed with NSC to jointly develop, promote and implement programs designed to reduce accidents in roadway construction zones.

1999

- Professional Development Section created for safety managers.

2000

- Annual National Work Zone Awareness Week launched by industry partners and ARTBA’s Foundation.

- Safety Showcase symposium held in Savannah, Ga.

- Federal support for NWZSIC ended and ARTBA’s Foundation assumed control of operations, with financial support from private sector safety leaders.

- OSHA-accredited “10-Hour” safety-training course created with focus on roadway construction.

- First-of-its-kind “Highway Worker Memorial Scholarship Program” established.

- OSHA-accredited “10-Hour” safety-training course created with focus on roadway construction.
First comprehensive manual published on safety topics tailored to highway construction firms developed by ARTBA task force and CNA Insurance.

First-ever comprehensive business insurance product tailored to highway construction firm needs launched in partnership with CNA Insurance.

First-ever National Conference on Highway Work Zone Safety hosted in Washington, D.C.

Traffic Safety Industry Division established.

Transportation Safety Advisory Council created.
National Work Zone Safety Information Clearinghouse

The World’s Largest Online Safety Information Resource

- Crash Data
- Research Library
- Learning Opportunities
- Flagger Information
- Events & Conferences
- Hot Topics

USE IT...SAVE LIVES!

Information provided by the National Workzone Safety Information Clearinghouse, award #693J31750009, does not necessarily reflect the views of the U.S. Highway Administration (FHWA) or the American Road & Transportation Builders Association–Transportation Development Foundation. References to specific products and services do not imply endorsement by the Clearinghouse or FHWA.
Nearly 50,000 people die or are injured in and around U.S. transportation infrastructure projects each year. The cost of these tragic incidences to families and employers is staggering.

We must do better.

David Walls Believes Status Quo Safety Performance is Unacceptable.

Austin Industries President & CEO David Walls helped create and launch the Safety Certification for Transportation Project Professionals™ program. His goal: significantly boost the hazard awareness and risk management skills of all transportation project professionals who are in positions of influence—from project inception through completion—to cause a decline in safety incidents.

Certify Your Employees. Save Lives.

www.puttingsafetyfirst.org