

Transportation Safety Institute Significant Accomplishments 2011



ONSITE/OFFSITE/ONLINE COURSES

Accident & Crash Investigation

TSI employs subject matter experts for a wide array of accident investigation training:

- Aircraft, Rotorcraft, and Experimental Aircraft
- Collision Investigation
- Media Relations
- Rail Incident

Aviation Safety

TSI provides premier aviation safety training and technical assistance:

- Aviation Safety Program Management
- Internal Evaluation Program
- Safety Management Systems
- Heliport Evaluation

Emergency Response

TSI trains emergency response professionals in multiple disciplines to respond and manage critical situations in our changing world:

- General Awareness of Hazardous Materials
- Threat Management

Hazardous Materials Transportation

TSI instructors are well versed in current regulations and provide up-to-date training in all areas related to the transportation of hazardous materials, in accordance with Title 49 CFR:

- Cargo Tank Compliance
- Specialized Hazardous Materials
- Performance-Oriented Packaging
- Transportation of Hazardous Materials

Human Factors

The prevention of injuries and fatalities is DOT's highest priority and TSI leads the way in human factor training. TSI also provides extensive trainings in Drug and Alcohol Compliance for highway traffic, motor carrier, aviation, and transit bus and rail industries:

- Aircraft and Rotorcraft Human Factors
- Reasonable Suspicion Determination
- Substance Abuse Management and Program Compliance

Motor Carrier Safety Compliance

TSI provides performance-based motor carrier safety training, emphasizing the practical side of regulatory compliance:

- Commercial Motor Vehicle Periodic Inspection
- Safety Compliance
- Hours of Service

Traffic Safety

TSI trains safety professionals in a variety of highway traffic safety programs:

- Speed Management and Motorcycle Safety
- Data Analysis & Evaluation
- Impaired Driving Issues

Transit Safety & Security

TSI is the dominant source for bus and rail safety and security training in the United States:

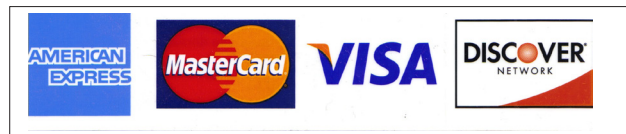
- Managing Transit Emergencies
- Industrial Safety Management
- Bus System Safety
- Bus and Paratransit Operator Training

Custom Designed Courses

TSI can develop and deliver professional safety training to fit the specific needs of your organization or agency. As a Federal fee-for-service organization, we are committed to providing economical, yet innovative, training methods and services that meet your training requirements. Your customized training program is just a phone call away! 800-858-2107

Payment Options:

Checks
Purchase Orders
Federal reimbursable agreements
Military Interdepartmental Purchase Request (MIPR)
Major Credit Cards



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Transportation Safety Institute *Significant Accomplishments 2011*

TRANSPORTATION SAFETY INSTITUTE

The Transportation Safety Institute (TSI), a fee-for-service organization that operates without a direct appropriation, supports the U.S. Department of Transportation's (DOT's) goal to reduce transportation-related deaths and injuries through quality instruction to those entrusted with enforcement and committed to compliance. For 40 years, TSI has provided training to Federal, State, and local governmental, private sector, and foreign transportation professionals on a cost-recovery basis. More than 800,000 students have received TSI's high-quality safety and security training in aviation, highway traffic, transit, motor carriers, and hazardous materials. TSI is part of DOT's Research and Innovative Technology Administration (RITA), whose mission includes coordinating DOT's research and education programs and advancing technologies throughout our transportation system.

ABOUT THE TSI

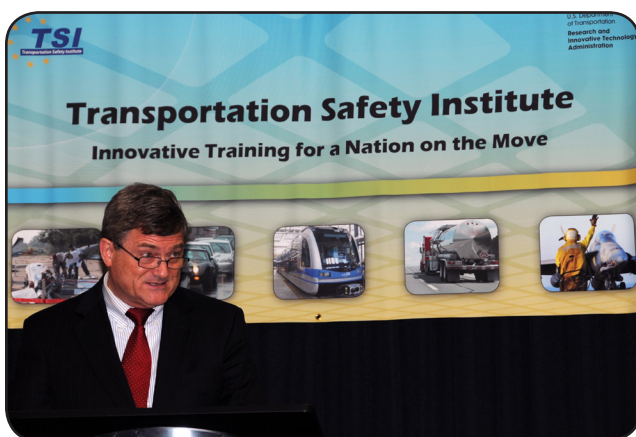
TSI's headquarters is in Oklahoma City, OK, and is co-located with the Mike Monroney Aeronautical Center (MMAC), a major Federal Aviation Administration (FAA) training and materials facility. MMAC and TSI share physical resources, training support services, and administrative assistance. The Institute is comprised of indoor and outdoor space designed to enhance the adult learning experience. Fully equipped classrooms allow for multimedia presentations, and "hands-on" laboratories provide teaching models and relevant crash and accident examples.

TSI is organized into five training divisions with expertise in specific transportation safety and security topics. TSI staff are engaged in current cross-cutting subjects such as fatigue, distracted driving, and drug and alcohol awareness as well as aviation, highway traffic, transit, motor carriers, and hazardous materials. In addition, TSI provides the administrative services necessary to support a full-service training organization, including Information Technology, facilities management, financial oversight, purchasing, contracts management, and human resources.

2011—A YEAR IN PERSPECTIVE

2011 was a year of continued accomplishments for TSI. Among the highlights:

- Through a combination of resident, nonresident, traditional, and extension classes, TSI graduated more than 18,000 transportation safety professionals in 2011, plus extension and partnership training;



- TSI conducted 348 safety classes and managed 154 courses in 2011;
- TSI made significant investments in new instructional technologies and deployed new interactive online training courses in 2011.
- TSI's 2011 revenue exceeded \$10 million. Funded through a combination of Federal reimbursable agreements and private tuitions, TSI operates through sponsored programs and entrepreneurial activities; TSI was certified as an approved Hazardous Materials trainer for the Department of Defense;
- TSI provided safety training to Canadian transit employees, Turkish government and aviation personnel, and partnered with the Federal Aviation Administration to provide safety training to aviation professionals from China;
- TSI received approval to award continuing education units (CEU) in 9 courses and issued 55 Transit Safety and Security Program certificates; and
- TSI recognized 40 years of significant contributions to transportation safety.

TSI DIVISIONS

Aviation Safety

TSI's Aviation Safety experts provide premiere training through workshops, field activities, individual studies, and hands-on training with an emphasis on aviation safety and accident investigation techniques and management. The staff specializes in advanced accident investigation and system safety management as well as ground-based navigation aids. Courses cover aviation's most current information in all aspects



of civil and public aviation accident investigation and flight procedures. Home of the National Aircraft Accident Investigation School, the Aviation Safety Division's 2011 successes include:

- Managed approximately 80 courses, trained more than 2,580 students, and conducted more than 58 classes;
- Partnered with the Experimental Aircraft Association to conduct TSI's Experimental Accident Investigation class in Oshkosh, WI;
- Supported the U.S. Army's Aviation Safety Officer training at Ft. Rucker, AL;
- Conducted training for professionals around the world, including those in Turkey and from China and Afghanistan; and
- Obtained CEUs for three courses, with two others awaiting review and approval.

Traffic Safety

TSI's Traffic Safety Division develops and delivers highway traffic safety training programs for State,



local, and Federal professionals in occupant protection, law enforcement, impaired driving, and data analysis. In support of crash research, curricula also include three levels of training for the National Highway Traffic Safety Administration's (NHTSA's) National Automotive Sampling System field personnel. Division staff collaborate with the greater highway traffic safety community to develop relevant and timely training programs. Significant 2011 accomplishments by the Traffic Safety staff include the following:

- Developed and revised curricula for 14 safety courses;
- Delivered 37 professional development courses at field locations across the country;
- Established robust e-learning capabilities and successfully delivered TSI's first on-line traffic safety training course;
- Developed and fielded a web-based student feedback tool, improving customer comment quality and trend analysis capabilities; and
- Supported public education forums, on traffic safety issues, designed to impact major regional and national traffic safety initiatives.



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Transit Safety

TSI's Transit Safety and Security staff develop and deliver a broad variety of safety and security training and education to the transit industry. The team specializes in system safety, collision investigation, and security for public bus and rail transportation. Transit personnel attend TSI training to develop the high performance skills necessary to effectively operate, maintain, and manage public transportation systems. In 2011, the Transit Safety and Security Division accomplished the following:

- Conducted 123 classes throughout the United States;
- Revised and piloted four new courses of instruction;
- Issued 55 Transit Safety and Security Program (TSSP) certificates. This certificate program has become an industry standard for staffing decisions and represents many hours of classroom training;
- Issued CEU's to nine transit courses; and
- Approved as an official trainer of transportation security courses by the Department of Homeland Security.

Multi-Modal Safety

Specializing in cargo tanks, explosives, and radioactive materials, TSI's Multi-Modal Safety Division provides a variety of transportation safety-related courses to Federal, State, and private industry audiences, including hazardous materials and motor carrier compliance. Significant accomplishments by this team in 2011 included:

- Managed approximately 22 courses;
- Trained more than 1,711 students and conducted 135 classes, a 27% increase from the previous year;
- Increased the number of classes by 36% from 2010 levels and increased revenue by 35%;
- Conducted TSI's first Department of Defense 40-hour Hazardous Materials Airlift Inspectors course for the Air National Guard in Battle Creek, MI; and
- Formally recognized by the RITA Administrator for high-value contributions to DOT and transportation safety.

Special Programs

TSI's Special Programs offer multiple services and products to meet changing customer demands. This team of dedicated professionals creates customized solutions for unique or specialized projects, including course development, program management, event scheduling, and related services. This capability ensures that TSI remains innovative and flexible. Successes in 2011 included:

- Successfully developed and deployed a creative Instructor Excellence course in 2011.

- Laid the foundation for potential course development for the petroleum industry to include pipeline safety evaluation and compliance; and
- Provided customized highway traffic safety and operational risk management training to the Armed Forces.

LOOKING AHEAD...

TSI's future looks bright. TSI is enhancing its efficiencies in training delivery and achieving substantial cost-savings without sacrificing safety training quality. As TSI pursues new partnerships and collaboration, the Institute will expand its associate faculty program to provide the latest industry knowledge and safety experience to its

students. In 2012, TSI will host a national, high-profile peer exchange for best practices in highway safety engineering. TSI is expanding its trainings and partnerships with other professional associations and organizations, including the Texas Engineering Extension Service (TEEX). Recently, TSI has actively participated in meetings of the Oklahoma Field Federal Safety and Health Council (OFFSHC) and the Mid-Continent Exploration and Production Safety Network. TSI's influence will continue to reach international audiences in 2012 with negotiations for safety trainings in Columbia, Germany, and Canada. With six new e-learning courses under development, including one for law enforcement personnel designed to significantly reduce impaired driving, TSI continues to provide high-quality safety trainings for the Nation's transportation communities and beyond.





WITH THANKS TO OUR 2011 CUSTOMERS AND PARTNERS

U.S. Department of Transportation (DOT)

- Office of the Secretary of Transportation (OST)
- Federal Aviation Administration (FAA)
 - Office of Accident Investigation
 - Engineering Procedures Office
 - Designee Standardization Branch
- Federal Highway Administration (FHWA)
 - National Highway Institute
- Federal Transit Administration (FTA)
 - Office of Safety and Security
- National Highway Traffic Safety Administration (NHTSA)
- Pipeline and Hazardous Materials Safety Administration (PHMSA)

Other Federal

- Department of Defense (DOD)
 - U.S. Air Force (USAF)
 - U.S. Army (USA)
 - U.S. Navy (USN)
- Department of Homeland Security (DHS)
 - Transportation Safety Administration (TSA)
 - Federal Emergency Management Agency (FEMA)
 - U.S. Coast Guard (USCG)
- Department of Justice (DOJ)
 - Federal Bureau of Investigation (FBI)
- National Aeronautics and Space Administration (NASA)

State and Local

- State of Oklahoma
 - Department of Public Safety
 - Department of Transportation
- State and local transit agencies
- State highway/traffic safety offices
- State and local law enforcement agencies
- State and local judiciaries

Foreign Entities

- Afghanistan
- Australia
- Canada
- Federal Republic of Germany
- Japan
- Peoples Republic of China
 - Civil Aviation Authority
- Republic of Turkey
 - Civil Aviation Authority

Others

- Governors Highway Safety Association
- American Association of State Highway and Transportation Officials
- Commercial Vehicle Safety Alliance
- Experimental Aircraft Association
- International Society of Air Safety Investigators
- National Association of Air Medical Services
- National Joint Helicopter Safety Action Team
- Oklahoma State University
- Texas Engineering Extension Service
- Transportation Research Board
- University of Oklahoma

TRAINING

TSI develops and conducts customized training courses in a variety of formats, from traditional classroom settings to internet-based instruction.

SAFETY & SECURITY

TSI annually trains thousands of students from around the world in more than 140 transportation safety and security courses.

INNOVATION

TSI creates an adult learning environment geared to speed the application of training back at the job.

“Innovative Training for a Nation on the Move”

Transportation Safety Institute

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