Safe Roads by Design: Making Roads Safe for all Users

Comprehensive and certified training

Washington, DC USA
August 17-21, 2020

Executive Seminar
Background

The Safe Roads by Design™: Making Roads Safe for all Users certified training program is one of the most comprehensive road safety training programs in the world. Experts in the field will present best practices and state of the art technologies in Roadside Safety, Work Zone Safety, Vulnerable User Safety, Traffic Management and Road Safety Audits over a five-day period. The purpose of this training program is to help participants to understand what can be done to reduce fatalities and serious injuries from road crashes.

Learning Outcomes

- Gain a clear understanding of methods to identify dangerous roadside hazards, and understand how to choose the correct option to correct the situation
- Understand the issues facing pedestrian, bicyclist, motorcyclist, public transport and non-motorized vehicle safety
- Obtain an understanding of Work Zone designs & to learn how they can be made safer for the motorist, worker, and pedestrians
- Understand what Road Safety Audit means and learn how to create a Road Safety Audit team and how to conduct a proper Road Safety Audit
- Discuss how to collect data to assess the performance of roads, and how technology can be utilized to enhance operations and safety of roads

Target Audience

- Road & Transportation Agency Executives
- Federal & State Public Officials
- Regional Transportation Authorities
- Road Safety Engineers & Auditors
- Private Consultants & Contractors
- Infrastructure Developers
- Infrastructure Funds / Financial Institutions
- Technical Advisors, Insurers, Modelers
- Suppliers and Distributors of Road Safety Products
## Course Components

### Roadside and Median Safety

Attendees will be exposed to all aspects of Roadside and Median Safety, including concepts designed to either keep vehicles on the road or to provide for a safe recovery if the vehicle leaves the road, as well as concepts designed to reduce the severity of a crash with a roadside hazard. Rumble Strips, High Friction Surface Technologies, Safety Edge, Longitudinal Barriers, Crash Cushions, Terminals and Transitions will be discussed in detail. Attendees will be introduced to existing products and concepts, and they will be taught the importance of site-specific data to determine the most appropriate product for a particular application. Upon completion of the Roadside and Median Safety training, attendees will have a clear understanding of methods to identify dangerous roadside hazards and options for eliminating them. They will be aware of the best practices and state of the art technologies that can be used to make roadsides and medians safer.

### Work Zone Safety

Attendees will learn how to design State of the Art Safety Concepts and Technology into all Five Elements of a Work Zone; Advanced Warning Area, Transition Area, Buffer Space, Transition Space and the Termination Area. Attendees will understand how to develop temporary traffic control plans based on the duration of the work, the proximity of the work to the travelled way and the vehicle traffic volume. Positive protection devices such as portable barriers, truck mounted attenuators, dynamic, variable message signs and flagger training will be among the topics discussed. Upon completion of the Work Zone Safety training, attendees will be aware of MUTCD recommended procedures to design safe work zones.

### Vulnerable User Safety

Vulnerable User Safety is a significant issue for many countries, especially developing countries. This seminar will discuss the reasons pedestrians, bicyclists, motorcyclists, public transportation vehicles and non-motorized vehicles are involved in impacts that too often result in fatalities and serious injuries. The corrective actions that can be taken to reduce these impacts will be discussed in detail. Upon completion of the Vulnerable User Safety training, the attendees will understand the issues facing pedestrian, bicyclist, motorcyclist, public transport and non-motorized vehicle safety. Attendees will be presented different strategies and concepts that can be used to improve safety for all vulnerable users.

### Road Safety Audits & Inspections

Road Safety Audits are required in many countries and their use is becoming more popular every day. Attendees will be introduced to the concept of road safety audit and taught how to create a road safety audit team. Upon completion of the Road Safety Audit training, attendees will understand what a road safety audit is, the different stages of road safety audits and how to conduct a road safety audit. Attendees will comprehend the steps involved to organize and implement an effective road safety audit.

## Format

**How we’ll work together during the course:**

- Structured elements for each day, with established timeframes, within a productive learning environment
- Course consists of classroom learning, collaborative group activities, individual learning opportunities, as well as nominated presentation sessions
- Ample opportunity to share ideas, discuss challenges and create solutions and a better way forward together
Lead Instructor

Michael G. Dreznes  
Executive Vice President  
International Road Federation

Michael G. Dreznes assumed his current position of Executive Vice-President of the International Road Federation (IRF) in February of 2012. Dreznes has spent the last thirty-four years working to make the roads safer around the world. He is recognized as one of the world’s leading specialists on roadside safety promoting the concept of “Forgiving Roads,” and has conducted multiple road safety training seminars on roadside safety, work zone safety, vulnerable user safety and road safety audit in more than sixty countries around the world. Dreznes served as the Co-Chairman of the Transportation Research Board (TRB) AFB20 (2) Roadside Safety Subcommittee on International Research Activities for eighteen years. He currently is the Co-Chairman of the United Nations Road Safety Collaboration (UNRSC) Decade of Action Pillar 2: Safer Roads and Mobility Project Group, and a member of the PIARC Road Safety Technical Committee 3.2 Design and Operation of Safer Road Infrastructure. In January 2015, Dreznes was named the winner of the TRB AFB20 Roadside Safety Design Kenneth Stonex Lifetime Achievement Award that recognized his passion and contribution to road safety education. Citation on the award stated he has taught thousands of people around the globe the value and benefits of investing in road safety – helping both advanced and developing countries improve their roadway systems.

Venue & Registrations

IRF Global Training Institute  
Madison Place  
500 Montgomery Street Fifth Floor  
Alexandria, VA USA 22314  
Tel: +1 703 535 1001

Rates:  IRF MEMBERS US $3,000, NON MEMBERS US $3,500,  
GROUPS of 3+: US $3,250  
(no hotel included)

Registrations at https://www.irf.global/event/srd20-es-was
For any support, please contact mdreznes@irf.global

Hotel

IRF has negotiated special attendee hotel rates (US $109/night) with the Holiday Inn Hotel & Suites Alexandria-Old Town, located just one block from the Training Institute.

Please contact the hotel to make your own room reservations:
HOLIDAY INN HOTEL & SUITES ALEXANDRIA  
Address: 625 First St, Alexandria, VA 22314  
Phone: (703) 548-6300
BOOK NOW
<table>
<thead>
<tr>
<th>Session Timings</th>
<th>DAY 1</th>
<th>DAY 2</th>
<th>DAY 3</th>
<th>DAY 4</th>
<th>DAY 5</th>
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<tbody>
<tr>
<td>8:30 – 9:00</td>
<td>Registrations &amp; Welcome</td>
<td>Good Morning &amp; Networking</td>
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<td>9:00 – 11:30</td>
<td><strong>Session 1:</strong> Fundamentals of Road Safety</td>
<td><strong>Session 4:</strong> Workzone Safety Fundamentals</td>
<td><strong>Session 7:</strong> Vulnerable Road Users</td>
<td><strong>Session 10:</strong> Road Safety Audits</td>
<td><strong>Session 13:</strong> Road Safety Audits</td>
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<td>Truck Mounted Attenuators</td>
<td>Defining a VRU</td>
<td>Introduction</td>
<td>Presenting an Audit Report</td>
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<td>Real World Experiences</td>
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<td>Effective Leadership</td>
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<td>11:45 – 14:30</td>
<td><strong>Session 2:</strong> Roadside Safety “Forgiving”</td>
<td><strong>Session 5:</strong> Workzone Safety</td>
<td><strong>Session 8:</strong> Vulnerable Road Users</td>
<td><strong>Session 11:</strong> Road Safety Audits</td>
<td><strong>Session 14:</strong> Road Safety Audits</td>
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<td>Poles</td>
<td>Improving Flagger Safety</td>
<td>Countermeasures for Pedestrians, Cyclists, etc.</td>
<td>Conducting a Safety Audit</td>
<td>Global Credential Program</td>
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<td>Longitudinal Barriers</td>
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<td>Certificate Presentation and Final Closing Ceremony</td>
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<td>16:15 – 19:00</td>
<td><strong>Session 3:</strong> Roadside Safety</td>
<td><strong>Session 6:</strong> Workzone Safety</td>
<td><strong>Session 9:</strong> Building Capacity</td>
<td><strong>Session 12:</strong> Road Safety Audits</td>
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<td>Crash Cushions</td>
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<td>Building Capacity</td>
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<td>Terminals &amp; Transitions</td>
<td>Five Elements of a Workzone</td>
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<td>Roundtable Exchange</td>
<td>Hat Exchange Dinner</td>
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