



**IRF**  
GLOBAL

Safe Roads by Design:

# Making Roads Safe for all Users

*Comprehensive and certified training*

**Online Training  
December 7-22, 2020**



# Online Training

**20 Professional Development Hours**



# Safe Roads by Design: Making Roads Safe for All Users

December 7-22, 2020

Online Workshop

## Background

The International Road Federation (IRF) On-line **Safe Roads by Design™: Making Roads Safe for all Users** certified training program is one of the most comprehensive on-line 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 three week period. The purpose of this training program is to help participants to understand what can be done to reduce the number of road crashes and the number of fatalities and serious injuries from road crashes that may still occur.

Upon completion of the training program, the IRF will administer a proctored on-line test. Participants with a score of 80% of the exam will be awarded with a certificate verifying their successful completion of the course.

### Why Online?

- Expert training by professionals for Professionals: access IRF's unique curriculum and lectures developed by world-class specialists
- Accelerated learning processes: get up to speed and gain new insights in less time and with no travel constraints
- Full access to learning materials and session recordings
- Small classrooms & scheduled One-on One sessions between with instructors
- Self-paced options available
- Interactive group projects and case studies
- Receive IRF Certification (Safe Roads by Design™ Professional Credential - Practitioner Level)

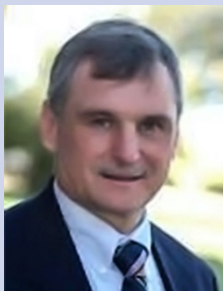
## Learning Objectives

- ✓ **Gain a clear understanding of methods used to identify dangerous roadside hazards and understand how to choose the correct options to correct the situation**
- ✓ **Understand the road safety issues facing pedestrian, bicyclist, motorcyclist, public transport and non-motorized vehicle safety**
- ✓ **Obtain an understanding of the five elements in a work zone how each of them can be made safe for the motorist, worker, and pedestrians**
- ✓ **Learn how to create an effective road safety audit team and how to conduct a road safety audit**

## Target Audience

- ✓ Road Authorities
- ✓ Design Engineers
- ✓ Road Consultants & Road Contractors
- ✓ Academia
- ✓ Law Enforcement
- ✓ Road Safety Auditors
- ✓ Insurance Providers
- ✓ Road Safety Product Suppliers

## Lead Instructor



**Mike Dreznes**  
**International Road Federation (IRF)**

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 safe around the world. He is recognized as one of the world's leading specialists on roadside/median safety promoting the concept of "Forgiving Roads," and has conducted scores of 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 was the Co-Chairman of the Transportation Research Board (TRB) AFB20 (2) Roadside Safety Subcommittee on International Research Activities from 2001-2019. He 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 Committee Kenneth Stonex Lifetime Achievement Award.



# Schedule

(Week I-II: Monday – Thursday, Week III: Monday – Tuesday  
10:00 – 12:00 PM US EST /15:00 – 17:00 GMT)

## WEEK 1

### **SESSION 1: MONDAY, DECEMBER 7, 2020**

Status of the Second Decade of Action

Using the Safe System Approach to Design “Forgiving Roads”

### **SESSION 2: TUESDAY, DECEMBER 8, 2020**

Forgiving Poles, Longitudinal Barriers

### **SESSION 3: WEDNESDAY, DECEMBER 9, 2020**

Crash Cushions, Transitions & Terminals

Roadside/Median Safety Summary & Discussion

### **SESSION 4: THURSDAY, DECEMBER 10, 2020**

Work Zone “Battlefield” - Fundamentals of Work Zone Safety

## WEEK 2

### **SESSION 5: MONDAY, DECEMBER 14, 2020**

Truck Mounted Attenuators (TMA)

Signage and Delineation in Work Zones

### **SESSION 6: TUESDAY, DECEMBER 15, 2020**

Overview of the Five Elements of a Safe Work Zone

Work Zone Safety Summary & Discussion

### **SESSION 7: WEDNESDAY, DECEMBER 16, 2020**

Defining a Vulnerable User

Introduction to Infrastructure Safety Management

Segment Issues & Countermeasures for Pedestrians

### **SESSION 8: THURSDAY, DECEMBER 17, 2020**

Segment Issues & Countermeasures for Bicyclists, Motorcyclists, Public Transit Users, Others

Vulnerable Road User Safety Summary & Discussion

## WEEK 3

### **SESSION 9: MONDAY, DECEMBER 21, 2020**

Introduction to Road Safety Audit

Conducting a Road Safety Audit

### **SESSION 10: TUESDAY, DECEMBER 22, 2020**

Preparing a Road Safety Audit Report

Innovative Financing

Effective Leadership

Road Safety Audit Summary and Discussion

IRF SRD Qualifying Knowledge Exam Instructions

## Registration

- 2,200 USD IRF Members – (Individual Participant)
- 1,800 USD IRF Members – (Groups of 2-4 from same organization)
- 1,500 USD IRF Members – (Groups of 5 or More from same organization)
- 2,500 USD Non IRF Members – (Individual Participant)
- 2,000 USD Non IRF Members – (Groups 2-4 from same organization)
- 1,800 USD Non IRF Members – (Groups of 5 or More from same organization)
- 1,500 USD US State DOTs & City Officials
- 1,500 USD IRF Fellows

Registration: <https://www.irf.global/event/srd20-ws-dec-online-training>  
For any support, please contact [melabyad@irf.global](mailto:melabyad@irf.global)

## System Requirements

### Computer Requirements

#### Operating System

*Windows 7 - Windows 10, Mac OS X 10.9 (Mavericks), macOS Catalina (10.15), Linux, Google Chrome OS, Android OS 5 (Lollipop) - Android 9 (Pie), iOS 10 - iOS 12, Windows Phone 8+, Windows 8RT+*

#### Web browser

Google Chrome (most recent 2 versions)  
Mozilla Firefox (most recent 2 versions)  
Internet Explorer v11 (with Adobe Flash if running Windows 7)  
Apple Safari (most recent 2 versions)  
Microsoft Edge (most recent 2 versions)

#### Internet connection

1 Mbps or better (broadband recommended)

#### Hardware

2GB of RAM (minimum), 4GB or more of RAM (recommended)  
Microphone and speakers (USB headset recommended)

# GLOBAL

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**Better Roads. Better World.**



## **International Road Federation**

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