Traffic Management Centers Design & Operations

Online Training
April 12 – 22, 2021

Online Training
16 Professional Development Hours
Traffic Management Centers
Design & Operations
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Online Workshop

Background

Traffic Management Centers (TMCs) have been described as the heart of an agency’s mobility management system. In practice, TMCs serve as the technical and institutional hubs that facilitate interagency coordination and integrate a wide range of traffic a wide range of traffic management strategies to achieve the collective goal of providing safe, efficient and sustainable transportation infrastructure. Because of its critical role in the successful operation of a mobility management systems, it is essential that the TMC be planned for, designed, and maintained to allow operators and other stakeholders to anticipate demands placed on the network, initiate traffic control strategies, coordinate their responses to situations and incidents.

Why Online?

- Earn 16 Professional Development Hours
- 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 with instructors
- Self-paced options available
- Interactive group projects and case studies
- Receive IRF Certification

Format

The lectures will be taught over a two-week period with live 2-hour on-line sessions held Monday through Thursday. Upon completion of the training program, the IRF will administer an on-line knowledge test. Participants with a score of 80% of the exam will be awarded with a certificate verifying their successful completion of the course.
Learning Objectives

✓ Understand the role of TMCs as a node for mobility management
✓ Engineering TMC Systems for optimal performance
✓ Assess different organizational models and institutional arrangements
✓ Design effective media & stakeholder engagement strategies
✓ Build relationships with emerging technology providers
✓ Develop insights into using TMC data
✓ Design measures of performance

Target Audience

• Road & Transportation Agencies
• TMC Managers
• Traffic Engineers and Data Specialists
• Traffic Enforcement specialists
• Private Consultants & Service Provides

Lead Instructor

Brian Hoeft
Senior Systems Engineer, CUBIC

Brian has a Bachelor of Science degree in Civil Engineering and a Master’s degree in Engineering Management from Brigham Young University. He also has taught a graduate-level Intelligent Transportation System course at the University of Nevada, Las Vegas. In 2014, under Hoeft’s direction, Nevada’s Freeway and Arterial Systems of Transportation (FAST) was recognized by U.S. Department of Transportation Secretary Anthony Foxx as a winner in the Data Innovation Challenge for the FAST Dashboard, a performance measurement and reporting tool, that has recently been expanded to assist the Federal Highway Administration in its industry-leading traffic signal performance measures.
International Road Federation

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