

Agenda

Presented by Andrew Ceifetz, PE, RSP

Applying Engineering Principles to the Science of Traffic

- Data collection and management
- Identifying roadway users
- Conducting traffic engineering studies

Forecasting Traffic and Making Design Decisions

- Predicting traffic demand
- Design considerations for rural and urban roadways
- Road types
- Vehicle types

The Physical and Behavioral Science of Road Design

- Vehicle operation: acceleration, braking and turning
- Driver perception/reaction
- Distances and visibility

Design Decisions

- Intersections
- Access management
- Parking
- Pedestrian and bicycle facilities

Roadway Components and Geometry

- Horizontal alignment
- Vertical alignment
- Ditches
- Medians

Future Considerations

- Autonomous vehicle features
- Mobility considerations
- Changes to methods

Can't Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!

Audio recordings of this seminar are available for purchase starting at \$269. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Traffic Engineering

Grand Rapids, MI - Thursday, March 28, 2019



Halfmoon Education Inc.
PO BOX 278
Altoona, WI 54720-0278

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Learning Objectives

You'll be able to:

Understand traffic engineering studies and utilize the data collected.

Predict traffic demand and explore design decisions related to urban and rural roadways.

Consider how driver behavior, such as braking speed, acceleration and turning, affect traffic design.

Understand design decisions related to intersections, parking lots, and pedestrian facilities.

Discuss how autonomous vehicles and mobility considerations impact the future of traffic design.



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Apply engineering principles to the science of traffic design

Understand how to forecast traffic and make design decisions

Review the physical and behavioral science of road design

Learn about roadway components and geometry

Consider intersections and access management

Explore the future of traffic design

Continuing Education Credits

This seminar offers 6.5 continuing education hours/PDHs to professional engineers in all states.



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Faculty

Andrew Ceifetz, PE, RSP WSP USA, Detroit

Mr. Ceifetz is a lead transportation engineer and senior technical principal with WSP, with over 16 years in the industry. Licensed in Michigan and seven other states, he has a broad range of experience in roadway safety, traffic data and safety analysis, design, transportation engineering, and inspection. He has developed and led trainings for road safety audits, the *Highway Safety Manual*, performance based maintenance, and safety reviews for hundreds of MDOT and local agency staff, including tools to implement the HSM. He is a member of the Transportation Research Board's Standing Committees on Tort Liability and Risk Management (AL070) and Low-Volume Roads (AFB30), in addition to sitting on multiple National Cooperative Highway Research Program (NCHRP) and Behavioral Traffic Safety Cooperative Research Program (BTSCR) project panels. Mr. Ceifetz's work has been presented at conferences in Michigan, Ohio, Wisconsin, Canada, and New Zealand, and he has been published in both United States and Canadian research journals. He is serving his second term as co-chair of the Traffic Safety Engineering Action Team for Michigan's Governor's Traffic Safety Advisory Commission (2015-present).

Seminar Information

Courtyard by Marriott Downtown

11 Monroe Avenue NW
Grand Rapids, MI 49503
(616) 242-6000

Registration 8:00 - 8:30 am	Lunch (On your own) 11:45 am - 12:45 pm
Morning Session 8:30 - 11:45 am	Afternoon Session 12:45 - 4:30 pm

Tuition

\$289 for individual registration

\$269 for three or more simultaneous registrations.

Included with your registration: Complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day.

For availability and job description, please visit www.halfmoonseminars.org.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the self-study package. You may also send another person to take your place.

Additional Learning

Webinar Series

Special Inspections

- **Introduction to Chapter 17: Special Inspections**
Wed., Feb. 13, 2019, 11:00 AM - 12:30 PM CST
- **Soils and Foundations**
Wed., Feb. 13, 2019, 1:00 - 2:30 PM CST
- **Reinforced Concrete and Structural Steel**
Thurs., Feb. 14, 2019, 11:00 AM - 12:30 PM CST
- **ACT Ceiling Grid, Epoxy Anchors, and Fire Penetrations**
Thurs., Feb. 14, 2019, 1:00 - 2:30 PM CST

Foundations in Cold Regions

- **Introduction to Cold Regions Foundations**
Thurs., Feb. 21, 2019, 11:00 AM - 12:30 PM CST
- **Shallow Foundation Design in Cold Regions**
Thurs., Feb. 21, 2019, 1:00 - 2:30 PM CST
- **Deep Foundation Design in Cold Regions**
Fri., Feb. 22, 2019, 11:00 AM - 12:30 PM CST
- **Foundation Construction in Cold Regions**
Fri., Feb. 22, 2019, 1:00 - 2:00 PM CST

Soil Mechanics and Retaining Wall Design

- **Soil Investigation and Classification**
Wed., Feb. 27, 2019, 11:00 AM - 1:00 PM CST
- **Retaining Walls: What They Do and How They Do It**
Wed., Feb. 27, 2019, 1:30 - 2:30 PM CST
- **Geosynthetics and Retaining Walls**
Thurs., Feb. 28, 2019, 11:00 AM - 1:30 PM CST
- **Retaining Wall Failures and Fixes/Site Layout and Prevention**
Thurs., Feb. 28, 2019, 2:00 - 4:00 PM CST

For more information and other online learning opportunities visit: www.halfmoonseminars.org/webinars/

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 continuing education hours (PDHs) to professional engineers in all states. Educators and courses are not subject to preapproval in Michigan.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

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Registration

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Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.	
() I need special accommodations. Please contact me.	

Tuition

() **I will be attending the live seminar.** Single Registrant - **\$289.00**. Three or more registrants from the same company registering at the same time - **\$269.00** each.

() **I am not attending.** Please send me the self-study package:

Downloadable MP3 Audio/PDF Manual for **\$269.00**.

CD/Manual Package for **\$289.00**.

(Please allow four weeks from seminar date for delivery)

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