

# Live Interactive Web Seminar

Pay a single site registration fee\* and an unlimited number of people in your organization can attend at that site.



*Two-Part Series*



## ***The Modern Roundabout As A Traffic Signal Alternative***

Sponsored by ASCE Continuing Education and ASCE's Transportation and Development Institute (T & DI)

**Part I: Friday, May 23, 2008 ~ 12 Noon - 1:30pm Eastern Time**  
**Part II: Thursday, June 5, 2008 ~ 12 Noon- 1:30pm Eastern Time**

### **PURPOSE AND BACKGROUND**

About 65% of all crashes in urban areas, and 40% of all crashes in rural areas, occur at or near intersections or driveways. Safety improvements at these locations have always been a priority and pose a challenge for most transportation agencies. Because crashes are typically complex events, a great diversity of mitigation measures have been tried with varying degrees of success, including the so-called modern roundabout. This webinar, which focuses on the best practices for designing roundabouts that maximize the safety of all road users, will be covered in two-parts lasting one hour each. Lessons learned from the results of recent research conducted in Europe will be shared with participants as well as the best sources of information about roundabouts. Examples will be shown of recent roundabout installations in Europe as well as the U.S.A. The concept of turbo roundabouts, which maximize capacity using multiple lanes around the center island, while minimizing conflict points through a unique design approach, will be discussed. Proposed MUTCD changes on how roundabouts are to be signed and marked will be covered.

### **SEMINAR BENEFITS**

- Improve your understanding of roundabout design and capacity
- Improve your understanding of roundabout operations
- Learn how to select the right type of roundabout
- Gain information on designing roundabouts for all road users
- Earn three Professional Development Hours (3 PDHs)

### **SUMMARY OUTLINE**

#### **Part 1**

- Comparison of Roundabouts with Signalized Intersections
- Roundabouts Types
- Capacity
- Crash Rates
- Right of Way Impacts

#### **Part 2**

- Geometric Design
- Sight Distance
- Traffic Operations – signs and markings
- Pedestrian and Bicycle Treatments
- Specialized Applications: Signalized Roundabouts, Turbo Roundabouts

### **INTENDED AUDIENCE**

This webinar will benefit transportation professionals who work for consulting firms, cities, counties, and state agencies involved in designing and maintaining roadways where the modern roundabout may be considered as an alternative to a traffic signal. This course is designed for individuals with and without background or training in traffic engineering.

#### ***Benefits of Live Web Seminars:***

- > *Convenient... no travel is required*
- > *Cost-Effective... pay a single site registration fee*
- > *Get real time answers to your questions*
- > *Receive course materials by e-mail prior to the seminar*
- > *View instructor's Power Point slides while he/she is presenting*
- > *Ideal for brown-bag lunch training*

## Information/Registration:

### SEMINAR INSTRUCTOR

**Nazir Lalani** is currently a Deputy Director with the Ventura County Transportation Department in California. He is responsible for Traffic Operations, Transportation Planning, Storm Damage Repairs, Encroachment Permits and Public Transportation. Nazir has also held local government positions with the City of Ventura and the Santa Barbara County, California, the City of Lakewood Colorado, the City of Phoenix, Arizona and the Greater London Council in England. Nazir is an instructor for two courses offered by the Institute of Transportation Studies at UC Berkeley on "Fundamentals of Traffic Engineering" as well as "Access Management and Site Design".

Nazir obtained his Bachelors Degree from the University of Exeter in Devon, England and Masters Degree from Arizona State University. He is currently a licensed Engineer in Colorado and California. Nazir has served as chair of various ITE committees including the Pedestrian and Bicycle Task Force and the Public Agency Council. He served as an elected officer of ITE on the District 6 Board, the International Board of Direction and as ITE's 1999 International President. Nazir was a recipient of ITE's Burton W. Marsh Award in 2001 and ITE Coordinating Council Special Recognition Award in 2004.

### BENEFITS OF LIVE TELEPHONE/WEB SEMINARS

These online courses use teleconferencing and the Genesys Meeting Center software to make the courses actual live, interactive learning experiences. You will be able to ask the instructor questions and get live real time answers. The instructor will be able to conduct polls to gage your interest in certain areas and ask you questions as well. You will receive course materials by e-mail prior to the seminar and will be able to view the instructor's Power Point slides during the seminar. These types of online courses have a much higher impact than simply reading material on the web. Live telephone/web seminars offer exceptional convenience and are very cost-effective. No travel is required and the site registration fee allows an unlimited number of participants to attend at each site. In addition, each course participant will earn one Professional Development Hour (PDH) per seminar hour.

### SYSTEM REQUIREMENTS FOR PARTICIPANTS

As a participant using the Meeting Center, your computer must meet the following requirements:

**Audio:** Using a touch-tone telephone.

**Web:** Microsoft Internet Explorer 6.0, Mozilla Firefox 1.5 for Windows/Mac/Linux, or Safari 2.0 for Macintosh\*. Internet connection of minimum 128K.

**Pop-up Blockers:** All Pop-up blockers must be disabled.

**Java:** Microsoft Internet Explorer 5.5 with Java script and session cookies enabled.

*\*Limited support for Windows XP SP1 and Vista. Safari on Windows is not supported*

### REGISTER ONLINE NOW! SPACE IS LIMITED!

To register go to: <http://www.asce.org/webinar/list>. For more information call 1-800-548-2723. Please note: Registration for each seminar will be closed three business days prior to the seminar. No cancellations will be accepted if they are received within three business days of a seminar. Late registrations may be accepted if space is available and will be assessed a \$25.00 late registration fee. Your registration will be confirmed by e-mail.

Two business days before the seminar, you will receive a confirmation e-mail with a link to download the course materials, a sign in sheet to verify attendance, and detailed information on how to join the meeting; including the phone number you'll need to dial, and meeting number. Please contact the registrar, at [webinars@asce.org](mailto:webinars@asce.org), no later than 12 noon Eastern Time the day prior to the seminar if you do not receive the confirmation e-mail or for additional information.

### CEU'S/PDH'S

ASCE is an IACET-authorized CEU provider and complies with the IACET criteria for awarding CEUs. In addition, ASCE follows NCEES guidelines on continuing professional competency. Since continuing education requirements for P.E. license renewal vary from state to state, ASCE strongly recommends that individuals regularly check with their state registration board(s) on their specific continuing education requirements that affect P.E. licensure and the ability to renew licensure. For details on your state's requirements, please go to: [http://www.ncees.org/licensure/licensing\\_boards/](http://www.ncees.org/licensure/licensing_boards/).

### REGISTRATION FEES\*

#### THE MODERN ROUNDABOUT AS A TRAFFIC SIGNAL ALTERNATIVE

*Due to the content and organization of the seminar, you must register for Part I and Part II both to receive the maximum benefits from this webinar and to earn 3 PDHs.*

Part I: FRIDAY, May 23, 2008 / 12 noon – 1:30 pm Eastern Time

Part II: THURSDAY, June 5, 2008 / 12 noon – 1:30 pm Eastern Time

\$498 Member     \$598 Non-Member

### ASCE'S TRANSPORTATION AND DEVELOPMENT INSTITUTE

The mission of ASCE's Transportation and Development Institute (T&DI) is to promote the interdependence of transportation, land development, and the environment, while uniting the disciplines of planning, design, construction, operation, maintenance and research in support of sustainable development. By providing a multidisciplinary focus for professional communication, education and collaboration, the Institute enhances the professional knowledge and skills of its members so that they may improve the quality of life. The Institute brings together engineers, planners, industry representatives, citizen groups, developers, public officials and others dedicated to improving transportation and fostering appropriate development decisions at the local, regional, state, national and international levels.

*\*Fees per seminar site. Pay one site registration fee and an unlimited number of people in your organization can attend the seminar at that site. The single site registration fee for ASCE's live, web seminars is intended to be an easy, affordable way to provide training for multiple employees in your organization. Your single site registration fee provides you with a site license for one computer log in to the seminar and one toll free phone call to access the audio portion of the seminar. The site license provided to you by the single site registration fee does not permit you to have multiple logins or phone calls from your site or to transmit this information to another site. Therefore, if you plan to have a large group attend the seminar at your site, all participants should assemble in a conference room to hear (via speaker phone) and view (via one computer and a computer projection system) the seminar. If you have several sites, you must register each site individually and pay a separate site registration fee.*