2011
ITE Annual Meeting and Exhibit
advancing transportation knowledge and practice

St. Louis
Final Program
August 13–16, 2011
Welcome to the ITE 2011 Annual Meeting and Exhibit!
I hope that you will take full advantage of what the meeting and this wonderful city have to offer. Learn about technical advancements in our industry, reunite with your colleagues, make new friends and explore new products and services in the exhibit hall.

We have catered this meeting to pack the most education, networking, fun and fellowship into four days as possible.

Discover a city rooted in transportation by exploring St. Louis, the gateway to the west. Due to its central location, St. Louis quickly became a major thoroughfare for the transportation of people and goods. From steamboats to railroads and streetcars to automobiles, St. Louis has played a major role in the development of America’s transportation system. While you’re here, learn more by participating in one or more technical tours designed to showcase real-world applications of transportation practices.

I would like to thank the local arrangements committee, co-chaired by Carrie Falkenrath and Jennifer Dugan. The co-chairs played an integral role in planning the technical tours and promoting the meeting to a wide audience. I would also like to thank the Annual Meeting Planning Committee and ITE staff, who did a great job putting together an impressive technical program.

I appreciate your involvement in this meeting and would like to thank each of you for supporting ITE. Together, we form a community of transportation professionals advancing transportation knowledge and practices for the benefit of society.

Robert C. Wunderlich, P.E.
ITE International President
meeting highlights

All sessions and meetings are held at America’s Center or the Renaissance St. Louis Grand.

**Transportation Products and Services Exhibit**
Exhibit Halls 1 & 2, America’s Center
Sunday, August 14
- Grand Opening Lunch 1:00 p.m.-2:00 p.m.
- Networking Break 3:30 p.m.-4:30 p.m.
Monday, August 15
- Networking Break 9:30 a.m.-4:00 p.m.
- Lunch 12:00 p.m.-1:30 p.m.
- Networking Break 3:00 p.m.-4:00 p.m.

**Annual Business Meeting**
Saturday, August 13, 4:15 p.m.-6:00 p.m.
Majestic E, Renaissance St. Louis Grand

**Celebration on America’s Highway—Route 66 Reception**
Sunday, August 14, 6:30 p.m.-7:30 p.m.
Majestic Ballroom, Renaissance St. Louis Grand

**keynote speaker**

**Major General Gregory E. Couch** currently serves as chief of staff of the United States Transportation Command (USTRANSCOM), Scott Air Force Base, IL. USTRANSCOM is engaged in around-the-clock transportation planning and support to the Department of Defense and its war fighting unified commands. Major General Couch will regale the audience with anecdotes on how USTRANSCOM single-handedly coordinates missions worldwide using both military and commercial transportation resources.

**annual business meeting agenda**

I. Call to Order
II. Tribute to deceased members
III. Appointment of the Parliamentarian
IV. International President’s Report
V. International Vice President’s Report
VI. Report of the Transportation Professional Certification Board Inc.
VII. Issues for discussion (provided by attendees)
VIII. Other Business
IX. Results of the 2011 International Officers Ballot
X. International President-Elect’s message
XI. International Vice-President Elect’s message
XII. Closing remarks
XIII. Announcements
acknowledgments

The Institute of Transportation Engineers (ITE) is grateful to its many members and their employers and families for the success of the ITE 2011 Annual Meeting and Exhibit. Specifically, ITE wishes to thank:

- ITE Technical Program Committee for assisting in the development of the technical program;
- 2011 Local Arrangements Committee members for their efforts in developing technical tours and social events;
- ITE councils and committees for their sponsorship and development of sessions;
- U.S. DOT’s ITS Joint Program Office, Federal Transit Administration, Federal Highway Administration and Research and Innovative Technology Administration for sponsoring sessions;
- Robert Wood Johnson Foundation, National Transportation Operations Coalition and Transportation Research Board for sponsoring sessions; and
- St. Louis Convention & Visitors Commission for the use of their photos.

local arrangements committee

Co-Chair
Carrie Falkenrath
Crawford, Bunte, Brammeier
St. Louis, MO USA

Co-Chair
Jennifer Dugan
Crawford, Bunte, Brammeier
St. Louis, MO USA

Visit the local arrangements committee (LAC) at the local information desk in the registration area to learn more about the surrounding area and things to do while visiting.

our sponsors

Silver

Kimley-Horn and Associates, Inc.

TRAFFIC VIDEODETECTION
USA

Bronze

TLGC
The Transportation Leadership Graduate Certificate Program

Quadstone Paramics
Traffic and Pedestrian Simulation & Analysis Software
registration information

The ITE meeting registration desk is located on Level 1 of the America’s Center and is open during the following times:

Saturday, August 13  
8:00 a.m.–4:00 p.m.  
Closed for lunch 12:00 a.m.–1:00 p.m.

Sunday, August 14   
8:00 a.m.–5:00 p.m.  
Closed for lunch 12:00 p.m.–12:30 p.m.

Monday, August 15   
8:00 a.m.–5:00 p.m.  
Closed for lunch 11:30 a.m.–12:00 p.m.

Tuesday, August 16   
8:00 a.m.–10:00 a.m.

TICKET REFUND POLICY—Tickets for individual events are sold on a space-available basis and may be purchased at the registration desk until noon on the day before the event. No refunds are issued for unused tickets, whether purchased as part of a registration package or separately.

PAYMENT INFORMATION—On-site registration and event fees may be paid by cash, check (for the exact amount only), or credit card (American Express, MasterCard, or Visa). Make checks payable to the Institute of Transportation Engineers. ITE does not accept Discover card.

Registration name badges must be visible for entrance to technical sessions and the exhibit.

Videotaping or audio recording of sessions or technical exhibits as well as the unauthorized sale of ITE-copyrighted material is prohibited.

<table>
<thead>
<tr>
<th>Registration Type</th>
<th>Technical Sessions</th>
<th>Seminars</th>
<th>Exhibit</th>
<th>Lunch on Sunday &amp; Monday</th>
<th>Route 66 Reception</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Registration</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
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<td>Full-Time Student</td>
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<td>Retired Life Member</td>
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<tr>
<td>Honorary Member</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>One-Day</td>
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<tr>
<td>Sunday</td>
<td>✓</td>
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<td>Monday</td>
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<tr>
<td>Tuesday</td>
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### annual meeting events

#### Saturday, August 13

<table>
<thead>
<tr>
<th>Event</th>
<th>Starts</th>
<th>Ends</th>
<th>Location</th>
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<tbody>
<tr>
<td>Registration</td>
<td>8:00 a.m.</td>
<td>4:00 p.m.</td>
<td>Exhibit Lobby, America's Center</td>
</tr>
<tr>
<td>Coordinating Council</td>
<td>8:00 a.m.</td>
<td>11:00 a.m.</td>
<td>Majestic F, Renaissance</td>
</tr>
<tr>
<td>SCORP</td>
<td>11:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Majestic F, Renaissance</td>
</tr>
<tr>
<td>Landmarks of St. Louis Guest Tour</td>
<td>12:30 p.m.</td>
<td>4:00 p.m.</td>
<td>Renaissance Lobby</td>
</tr>
<tr>
<td>Public Agency &amp; Transportation Consultants Councils</td>
<td>1:00 p.m.</td>
<td>2:30 p.m.</td>
<td>Majestic F, Renaissance</td>
</tr>
<tr>
<td>Traffic Engineering Council</td>
<td>1:00 p.m.</td>
<td>2:30 p.m.</td>
<td>Majestic G, Renaissance</td>
</tr>
<tr>
<td>Transportation Expert Witness Council</td>
<td>2:30 p.m.</td>
<td>4:00 p.m.</td>
<td>Majestic F, Renaissance</td>
</tr>
<tr>
<td>Transportation Planning Council: Recent Planning</td>
<td>2:30 p.m.</td>
<td>4:00 p.m.</td>
<td>Majestic G, Renaissance</td>
</tr>
<tr>
<td>Advances Conversation Circle</td>
<td>4:15 p.m.</td>
<td>6:00 p.m.</td>
<td>Majestic E, Renaissance</td>
</tr>
<tr>
<td>ITE Annual Business Meeting</td>
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#### Sunday, August 14

<table>
<thead>
<tr>
<th>Event</th>
<th>Starts</th>
<th>Ends</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration</td>
<td>8:00 a.m.</td>
<td>5:00 p.m.</td>
<td>Exhibit Lobby, America's Center</td>
</tr>
<tr>
<td>Opening Session</td>
<td>11:00 a.m.</td>
<td>1:00 p.m.</td>
<td>Room 224, America's Center</td>
</tr>
<tr>
<td>Exhibits Open</td>
<td>1:00 p.m.</td>
<td>4:30 p.m.</td>
<td>Exhibit Halls 1 &amp; 2, America's Center</td>
</tr>
<tr>
<td>Grand Opening Lunch</td>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>Exhibit Halls 1 &amp; 2, America's Center</td>
</tr>
<tr>
<td>Past Presidents’ Luncheon</td>
<td>1:00 p.m.</td>
<td>2:30 p.m.</td>
<td>Room 200, America's Center</td>
</tr>
<tr>
<td>Anheuser-Busch Brewery Guest Tour</td>
<td>1:30 p.m.</td>
<td>5:30 p.m.</td>
<td>Renaissance Lobby</td>
</tr>
<tr>
<td>Technical Sessions and Seminars</td>
<td>2:00 p.m.</td>
<td>6:00 p.m.</td>
<td>America's Center Lobby</td>
</tr>
<tr>
<td>Roundabout Design Technical Tour</td>
<td>2:00 p.m.</td>
<td>6:00 p.m.</td>
<td>Room 242, America's Center</td>
</tr>
<tr>
<td>Student Member Gathering Room</td>
<td>2:00 p.m.</td>
<td>6:00 p.m.</td>
<td>Room 232, America's Center</td>
</tr>
<tr>
<td>Nominating Committee</td>
<td>2:00 p.m.</td>
<td>3:30 p.m.</td>
<td>Room 231, America's Center</td>
</tr>
<tr>
<td>Parking Council</td>
<td>2:00 p.m.</td>
<td>3:30 p.m.</td>
<td>Room 230, America's Center</td>
</tr>
<tr>
<td>Policy and Legislative Committee</td>
<td>2:00 p.m.</td>
<td>3:30 p.m.</td>
<td></td>
</tr>
<tr>
<td>Networking Break</td>
<td>3:30 p.m.</td>
<td>4:30 p.m.</td>
<td>Exhibit Halls 1 &amp; 2, America's Center</td>
</tr>
<tr>
<td>ETO/TIM Committee</td>
<td>4:30 p.m.</td>
<td>6:00 p.m.</td>
<td>Room 230, America's Center</td>
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<tr>
<td>ITSO Committee</td>
<td>4:30 p.m.</td>
<td>6:00 p.m.</td>
<td>Room 231, America's Center</td>
</tr>
<tr>
<td>Student Member Roundtable</td>
<td>4:30 p.m.</td>
<td>6:00 p.m.</td>
<td>Room 232, America's Center</td>
</tr>
<tr>
<td>Prospective International VP Candidates Reception</td>
<td>5:30 p.m.</td>
<td>6:30 p.m.</td>
<td>Room 200, America's Center</td>
</tr>
<tr>
<td>Rt. 66 Reception</td>
<td>6:30 p.m.</td>
<td>7:30 p.m.</td>
<td>Majestic Ballroom, Renaissance</td>
</tr>
<tr>
<td>NTOC Small Group (invitation only)</td>
<td></td>
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<tr>
<td>Registration</td>
<td>8:00 a.m.</td>
<td>5:00 p.m.</td>
<td>Exhibit Lobby, America's Center</td>
</tr>
<tr>
<td>Technical Sessions and Seminars</td>
<td>8:00 a.m.</td>
<td>5:30 p.m.</td>
<td>Rooms 100–106, America's Center</td>
</tr>
<tr>
<td>Connected Vehicle Task Force</td>
<td>8:00 a.m.</td>
<td>4:00 p.m.</td>
<td>Room 241, America's Center</td>
</tr>
<tr>
<td>Streetscapes Great Streets Project Technical Tour</td>
<td>8:00 a.m.</td>
<td>1:30 p.m.</td>
<td>America's Center Lobby</td>
</tr>
<tr>
<td>District and Section Administrators Meeting</td>
<td>8:00 a.m.</td>
<td>9:30 a.m.</td>
<td>Room 232, America's Center</td>
</tr>
<tr>
<td>Pedestrian and Bicycle Council</td>
<td>8:00 a.m.</td>
<td>9:30 a.m.</td>
<td>Room 240, America's Center</td>
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### Monday, August 15

<table>
<thead>
<tr>
<th>Event</th>
<th>Starts</th>
<th>Ends</th>
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<tbody>
<tr>
<td>Transportation Safety Council</td>
<td>8:00 a.m.</td>
<td>9:30 a.m.</td>
<td>Room 230, America's Center</td>
</tr>
<tr>
<td>Majestic St. Louis Guest Tour</td>
<td>9:00 a.m.</td>
<td>5:00 p.m.</td>
<td>Renaissance Lobby</td>
</tr>
<tr>
<td>Student Member Gathering Room</td>
<td>9:00 a.m.</td>
<td>5:00 p.m.</td>
<td>Room 242, America's Center</td>
</tr>
<tr>
<td>Exhibits Open</td>
<td>9:30 a.m.</td>
<td>4:00 p.m.</td>
<td>Exhibit Halls 1 &amp; 2, America's Center</td>
</tr>
<tr>
<td>Networking Break</td>
<td>9:30 a.m.</td>
<td>10:30 a.m.</td>
<td>Exhibit Halls 1 &amp; 2, America's Center</td>
</tr>
<tr>
<td>International Collegiate Traffic Bowl Team Meeting</td>
<td>10:00 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 242, America's Center</td>
</tr>
<tr>
<td>Elected Leadership Forum</td>
<td>10:30 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 232, America's Center</td>
</tr>
<tr>
<td>Ethics Task Force</td>
<td>10:30 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 230, America's Center</td>
</tr>
<tr>
<td>Joint Rail Grade Crossing Committee</td>
<td>10:30 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 240, America's Center</td>
</tr>
<tr>
<td>Right Turn on Red IR Committee</td>
<td>10:30 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 231, America's Center</td>
</tr>
<tr>
<td>Planning and Safety Poster Sessions</td>
<td>10:30 a.m.</td>
<td>12:00 p.m.</td>
<td>Exhibit Halls 1 &amp; 2, America's Center</td>
</tr>
<tr>
<td>Traffic Bowl Committee</td>
<td>11:30 a.m.</td>
<td>12:30 p.m.</td>
<td>Room 242, America's Center</td>
</tr>
<tr>
<td>Lunch in the Exhibit Hall</td>
<td>12:00 p.m.</td>
<td>1:30 p.m.</td>
<td>Exhibit Halls 1 &amp; 2, America's Center</td>
</tr>
<tr>
<td>Freight Mobility Council</td>
<td>1:30 p.m.</td>
<td>3:00 p.m.</td>
<td>Room 231, America's Center</td>
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<tr>
<td>Sustainability Task Force and Sustainable Transportation Current Practices</td>
<td>1:30 p.m.</td>
<td>3:00 p.m.</td>
<td>Room 230, America's Center</td>
</tr>
<tr>
<td>TPCB Annual Business Meeting</td>
<td>1:30 p.m.</td>
<td>3:00 p.m.</td>
<td>Room 232, America's Center</td>
</tr>
<tr>
<td>Transit Council</td>
<td>1:30 p.m.</td>
<td>3:00 p.m.</td>
<td>Room 240, America's Center</td>
</tr>
<tr>
<td>Engineering &amp; Design and Operations Poster Sessions</td>
<td>1:30 p.m.</td>
<td>3:00 p.m.</td>
<td>Exhibit Halls 1 &amp; 2, America's Center</td>
</tr>
<tr>
<td>Networking Break</td>
<td>3:00 p.m.</td>
<td>4:00 p.m.</td>
<td>Exhibit Halls 1 &amp; 2, America's Center</td>
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<tr>
<td>Management &amp; Operations/ITS Council</td>
<td>4:00 p.m.</td>
<td>5:30 p.m.</td>
<td>Room 231, America's Center</td>
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<tr>
<td>Nominating Committee</td>
<td>4:00 p.m.</td>
<td>5:30 p.m.</td>
<td>Room 232, America's Center</td>
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<tr>
<td>Transportation Education Council</td>
<td>4:00 p.m.</td>
<td>5:30 p.m.</td>
<td>Room 230, America's Center</td>
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<tr>
<td>TRB Roundabouts Task Force</td>
<td>4:00 p.m.</td>
<td>5:30 p.m.</td>
<td>Room 240, America's Center</td>
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<tr>
<td>ITE Honorees Reception and Dinner</td>
<td>6:30 p.m.</td>
<td>10:00 p.m.</td>
<td>Crystal Ballroom, Renaissance</td>
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### Tuesday, August 16

<table>
<thead>
<tr>
<th>Event</th>
<th>Starts</th>
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<th>Location</th>
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<tbody>
<tr>
<td>Registration</td>
<td>8:00 a.m.</td>
<td>10:00 a.m.</td>
<td>Exhibit Lobby, America's Center</td>
</tr>
<tr>
<td>Managing Organizations in Challenging Times Plenary Session</td>
<td>8:00 a.m.</td>
<td>9:30 a.m.</td>
<td>Room 224, America's Center</td>
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<tr>
<td>Networking Break</td>
<td>9:30 a.m.</td>
<td>10:00 a.m.</td>
<td>Level One Foyer, America's Center</td>
</tr>
<tr>
<td>Networking Break (Traffic Bowl)</td>
<td>9:30 a.m.</td>
<td>10:00 a.m.</td>
<td>Room 220, America's Center</td>
</tr>
<tr>
<td>Technical Sessions and Seminars</td>
<td>10:00 a.m.</td>
<td>5:30 p.m.</td>
<td>Rooms 100–106, America's Center</td>
</tr>
<tr>
<td>Innovative Intersections Technical Tour</td>
<td>8:00 a.m.</td>
<td>12:00 p.m.</td>
<td>America's Center Lobby</td>
</tr>
<tr>
<td>Rivertown St. Louis Guest Tour</td>
<td>8:00 a.m.</td>
<td>12:30 p.m.</td>
<td>Renaissance Lobby</td>
</tr>
<tr>
<td>ITE Roundabout Task Force</td>
<td>10:00 a.m.</td>
<td>11:30 a.m.</td>
<td>Room 103, America's Center</td>
</tr>
<tr>
<td>International Collegiate Traffic Bowl Competition</td>
<td>10:00 a.m.</td>
<td>12:00 p.m.</td>
<td>Room 220, America's Center</td>
</tr>
<tr>
<td>Networking Break</td>
<td>2:30 p.m.</td>
<td>3:00 p.m.</td>
<td>Level One Foyer, America's Center</td>
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</table>
guest tours

All guest tours will depart from and return to the Renaissance St. Louis Grand Hotel. Please gather in the hotel lobby 15 minutes prior to departure time.

Landmarks of St. Louis Tour
Saturday, August 13, 12:30 p.m.–4:00 p.m.
Cost: $51 per person

Your tour guide will trace the history of St. Louis beginning with the city’s original settlement, Laclede’s Landing—a nine-block tour of the city’s historic district filled with renovated turn-of-the-century buildings, housing, shops, eateries and offices. You will view the famous Gateway Arch, the nation’s tallest monument, which commemorates the gateway to the west for thousands of 19th-century pioneers. Your tour guide will highlight the importance St. Louis played in the trade and transportation industries as a river town. You will enjoy views of the Old Cathedral (the oldest cathedral west of the Mississippi), the Old Courthouse (the setting for the famous Dred Scott Freedom Trial), and St. Louis Station, which was once the busiest rail terminal in the world. Following the Union Station tour, guests will have time to explore Citygarden, a unique urban oasis where visitors can connect with unique art, design, plants, and trees.

The Anheuser-Busch Brewery Tour
Sunday, August 14, 1:30 p.m.–5:30 p.m.
Cost: $38 per person

Your tour guide will familiarize you with the rich history of the colorful Busch family en route to the King of Beers—the Anheuser-Busch Brewery. Situated in a 100-acre complex with more than 70 red brick structures, the brewery buildings are known for their unique architecture, and several are National Historic Landmarks. During the tour, you will see the world famous Clydesdales, the fermentation building, the packaging and bottling plant, the brew house and a film about the brewing process. No visit would be complete without a stop in the hospitality room to sample the family of Anheuser-Busch products. After leaving Anheuser-Busch, you’re in for one last treat. Before returning to the hotel, savor a sweet treat as you stop at Ted Drewes Frozen Custard—a St. Louis tradition since 1929.

Majestic St. Louis Tour
Monday, August 15, 9:00 a.m.–5:00 p.m.
Cost: $109 per person

Experience the majestic side of St. Louis through two of its most influential neighborhoods, Midtown and the Central West End.

Your first stop is the Cupples House—a 42-room mansion built in 1889 by Samuel Cupples, a successful wood merchant, on the grounds of Saint Louis University. With a construction cost of $500,000, Cupples spared no expense. A docent will lead you through a tour of the lavish interior, which includes intricately carved paneling of imported woods, parquet floors and fine examples of stained glass.

Enjoy nature at its finest at the Missouri Botanical garden. The oldest botanical garden in the country and a National Historic Landmark, the Garden has been internationally recognized for horticulture, education and scientific research since its founding in 1859. You will visit the Climatron—the first geodesic dome greenhouse based on Buckminster Fuller’s futuristic design—and the 14-acre Japanese Garden, considered one of the finest outside Japan. There will be time to explore on your own, and enjoy lunch at your leisure in Sassafras Café.

Following lunch, visit the Cathedral Basilica of St. Louis. Here, be amazed by one of the largest collection of mosaics in the world—more than 84,000 square feet in 8,000 shades of color! The tiny pieces of tessere and glass portray scenes from both the Old and New Testaments, the life of Saint Louis IX, King of France, and many men and women prominent in the history of St. Louis.

At your last stop enjoy a visit to the History Museum at the Jefferson Memorial. Here you can explore the history of St. Louis from 1764 to the present, including the Lewis & Clark Expedition and the early days of aviation with Charles Lindbergh’s historic transatlantic flight. A docent-led tour through the Charles Lindbergh exhibit is included.
Rivertown St. Louis!
Tuesday, August 16, 8:00 a.m.–12:30 p.m.
Cost: $74 per person

You’ll begin your tour at Laclede’s Landing, St. Louis original settlement. It is now a nine-block historic district filled with renovated turn-of-the-century buildings housing shops, eateries, and offices. Next, visit the famous Gateway Arch, the nation’s tallest monument, which commemorates the gateway to the west for thousands of 19th century pioneers. Here take a tram ride to the top of this 630-foot stainless steel architectural wonder and get a unique bird’s eye view of St. Louis. Those not wanting to ride the tram may enjoy Monument to the Dream, the film documenting the construction of the arch. You may also visit the free Museum of Westward Expansion located beneath the arch. The museum offers exhibits focusing on Native Americans, the early settlers in Missouri, and the Oregon and Santa Fe Trails, which departed from St. Louis. Finally, experience the mighty Mississippi firsthand during a Gateway Riverboat cruise. You will board an authentic paddle wheeler for a one-hour sightseeing cruise and take in the views of the dramatic St. Louis skyline.

social functions

Celebration on America’s Highway—Route 66 Reception
Sunday, August 14, 6:30 p.m.-7:30 p.m.
Majestic Ballroom, Renaissance St. Louis Grand Hotel
Cost: $58, if not included in registration category.

Come mix and mingle with your colleagues while gettin’ your kicks on Route 66. Travel back to a time of tailfins, drive-ins and saddle shoes while dancing to period hits from the 1940s and ’50s. Come in your favorite beatnik, sock hop or jitterbug costume. Get free drink tickets by visiting Traficon USA at Booth 237/336 in the exhibit hall Monday afternoon.

Honorees Dinner
Monday, August 15, 6:30 p.m.-10:00 p.m.
Crystal Ballroom, Renaissance St. Louis Grand Hotel
Cost: $100 per person (Not included in any registration fee)

Celebrate your colleagues’ outstanding achievements and distinguished service as ITE honors numerous individuals and organizations at its annual Honorees Dinner. A reception will precede the dinner. Business attire is suggested. Black tie is optional.
Using ITS Standards: An Overview
Sunday, August 14, 4:30 p.m.-6:00 p.m.
Room 103, America’s Center
Course Credit: 1.5 PDH/.2 IACET CEU
Registration Fee: $25 ITE member/$50 nonmember/included with full registration

This introductory module provides an overview of ITS standards for practicing transportation professionals and decision makers who are engaged in the deployment of ITS. This seminar will highlight the program, organizational benefits, costs of adaptation and use of ITS Standards to support the deployment of interoperable systems.

Learning Objectives:
• Identify benefits and costs of using standards in ITS projects.
• Describe benefits of using systems engineering process in ITS projects.
• Identify and address high level technical and institutional challenges to using standards.
• Describe the role of ITS standards in ITS applications.

Instructor: Gary B. Thomas, Center Director, Texas Transportation Institute, College Station, TX, USA.

Defining Organizational Mission, Values, Goals and Objectives for Signal Systems
Monday, August 15, 8:00 a.m.-9:30 a.m.
Room 103, America’s Center
Course Credit: 1.5 PDH/.2 IACET CEU
Registration Fee: $25 ITE member/$50 nonmember/included with full registration

The purpose of this course is to assist organizations responsible for traffic signal services to understand their core values and how to establish their group’s mission, goals and objectives in the context of internal and external environmental factors, organizational culture and span of control.

Instructor: Lawrence J. Marcus, Associate Vice President, Mid Atlantic Planning Practice Leader, HNTB, Arlington, VA, USA

Organizational Management for Signal Systems
Monday, August 15, 10:30 a.m.-12:00 p.m.
Room 103, America’s Center
Course Credit: 1.5 PDH/.2 IACET CEU
Registration Fee: $25 ITE member/$50 nonmember/included with full registration

This course focuses on tools for organizations responsible for delivering traffic signal services to assess their structure and service delivery processes to align the organization to meet defined goals and objectives.

Learning Objectives:
• Assess whether the participant’s organization is structured to meet the needs of its stakeholders.
• Develop an organizational structure that efficiently meets defined core values, mission, goals and objectives.
• To be able to create flexible program management custom-tailored to your organization for improving the performance of your traffic system organization on a continuous basis.
• Establish a set of evaluation criteria to measure the success of the organization.
• Align an organization to meet goals and objectives.

Instructor: Lawrence J. Marcus, Associate Vice President, Mid Atlantic Planning Practice Leader, HNTB, Arlington, VA, USA
Performance Management for Signal Systems  
Monday, August 15, 1:30 p.m.–3:00 p.m.  
Room 103, America’s Center  
Course Credit: 1.5 PDH/.2 IACET CEU  
Registration Fee: $25 ITE member/$50 nonmember/included with full registration  

This course provides information on performance management techniques for organizations responsible for delivering traffic signal services to define measures of success and to integrate these into their program.  

Learning Objectives:  
• Describe the elements of performance management.  
• Explain the selection process and key elements of measures of success (organization/system/customer).  
• Identify data sources needed to support performance measures.  
• Examine methods to integrate measures of success into decision making for resource allocation.  
• Recognize and describe the factors that lead to successful performance management in signal systems:  
  • Tool for evaluation and continuous improvement;  
  • Method to engage staff and affect organizational culture;  
  • Opportunity to communicate with customers through reporting tools; and  
  • Sustainability for ongoing achievement of customer and organizational goals.  

Instructor: Gary B. Thomas, Center Director, Texas Transportation Institute, College Station, TX, USA

Maintenance Management for Signal Systems  
Monday, August 15, 4:00 p.m.–5:30 p.m.  
Room 103, America’s Center  
Course Credit: 1.5 PDH/.2 IACET CEU  
Registration Fee: $25 ITE member/$50 nonmember/included with full registration  

This course is an introduction to the methods and practices used in traffic signal maintenance programs. Course materials are developed from the recently released ITE/IMSA Traffic Signal Maintenance Handbook.  

Learning Objectives:  
• Understand the importance of an effective preventive maintenance program and be able to develop such a program given the resources available.  
• Understand the need for specialized staffing, training and development in light of prevailing and emerging advancements in technology and applications.  
• Understand the concept of maintenance management, its components and benefits.  
• Understand the concept of maintenance-specific performance measures and their significance in funding justification and overall agency accountability.  

Instructor: David A. Ellis, Traffic Engineer, David A. Ellis, LLC, Poughkeepsie, NY, USA

HCM2010: Multimodal Urban Streets Methodology: Auto Mode  
Monday, August 15, 10:30 a.m.–12:00 p.m.  
Room 104, America’s Center  
Course Credit: 1.5 PDH/.2 IACET CEU  
Registration Fee: $25 ITE member/$50 nonmember/included with full registration  

This seminar will explore the application of the new multimodal urban streets method as it relates to the auto mode. Included in the new HCM2010 chapter are improved methods for estimating average travel speed based on the research results from NCHRP 3-79 Measuring and Predicting Arterial Travel Time research project. This discussion will expand on a previous webinar that focused on the pedestrian, bicycle and transit mode portion of this method.  

Learning Objectives:  
• List capabilities of the updated auto mode for urban streets analysis.  
• Apply procedures to assess the performance of auto modes on urban street facilities.  

Instructor: Mark A. Vandehey, Senior Principal, Kittelson & Associates Inc., Portland, OR, USA
seminars

HCM2010: New Multimodal Urban Streets Methodology: Pedestrian, Bicycle and Transit Methods
Monday, August 15, 1:30 p.m.–3:00 p.m.
Room 104, America’s Center
Course Credit: 1.5 PDH/.2 IACET CEU
Registration Fee: $25 ITE member/$50 nonmember/included with full registration

A major update included in the HCM2010 is the inclusion of more multimodal methods and applications. None is more groundbreaking than the new Urban Streets methodology that includes new multimodal level-of-service methods for autos, pedestrians, bicyclists and transit riders. Attend this seminar to learn about the new state-of-the-practice for multimodal analysis as it relates to bicycle, pedestrian and transit users.

Learning Objectives:
• Discuss the new multimodal level-of-service methods.
• Explain potential applications of multimodal level-of-service methods.

Instructor: Nick Foster, Associate Engineer, Kittelson & Associates Inc., Boise, ID, USA

Context Sensitive Solutions Design Workshop—A State and Regional Application
Tuesday, August 16, 3:00-5:30 p.m.
Room 103, America’s Center
Course Credit: 2.5 PDH/.3 IACET CEU
Registration Fee: $25 ITE member/$50 nonmember, included with full registration

This workshop will provide a general overview of context sensitive solutions (CSS) and an explanation of how CSS is being utilized in the development of the I-70 Mountain Corridor in Colorado, a magnificent, scenic place. Human elements are woven through breathtaking natural features. The integration of these diverse elements has occurred over the course of time. This corridor is a recreational destination for the world, a route for interstate and local commerce and a unique place to live.

Participants will have an opportunity to apply CSS principles to various scenarios from the 140-mile corridor. The workshop will utilize the CDOT website in small-group exercises to develop a CSS approach to transportation projects in the I-70 Corridor. Participants are required to bring a laptop.

Learning Objective: To understand the principles and application of context sensitive solutions in a complex regional interstate corridor.

Instructors: Patricia B. Noyes, Principal, Pat Noyes & Associates, Boulder, CO, USA, and Mary Jo Vobejda, Principal Project Manager, CH2M HILL, Englewood, CO, USA

product training sessions

Peek TrafficTSP Controller Training
Monday, August 15, 8:00 a.m.–9:30 a.m.
Room 106, America’s Center

Peek Traffic will demonstrate all operations of its Traffic Signal Priority (TSP) project developed in Toronto, ON Canada in 2009-2010. The project included the development of five unique Green/Walk extension algorithms, the introduction of phase truncation phase skipping and phase rotation to facilitate on-the-fly sequence changes, and a brand new offset recovery strategy that gives the traffic engineer the ability to determine how aggressive or conservative the recovery from TSP would take place.

Siemens ACS Lite Adaptive and SiTravel Blue Tooth Travel Data Training
Monday, August 15, 10:30 a.m.–12:00 p.m.
Room 106, America’s Center

ACS Lite has proven to reduce congestion and travel time in a variety of applications. This training will review the basics and important set-up information. It will also cover the SiTravel, BlueTooth technology based travel data system. Topics will include: the history of and introduction to ACS Lite; when to use adaptive control; corridor selection for proper application; how ACS Lite works; communications; detection requirements; system configuration; measuring benefits; and blue tooth layout and configuration.
technical tours

Roundabout Design
Sunday, August 14, 2:00 p.m.–6:00 p.m.
Cost: $50
Visit a range of successful roundabout installations up close and personal. Join this tour of local roundabout applications: interchange, arterial and local roads. Discuss the design aspects and lessons learned with local professionals and other tour members.

Streetscapes Great Streets
Monday, August 15, 8:00 a.m.–1:30 p.m.
Cost: $75
Visit streetscape projects in the planning, design and construction phases and visit one of America’s Top 10 Streets! Tour participants will meet with the East-West Gateway Council of Governments (EWGCOG), St. Louis’ metropolitan planning organization. Enjoy the view of downtown from the EWGCOG office and engage in one-on-one discussions on the city’s streetscape and great street projects. Learn about the history, the funding challenges, the interesting design, intricate public involvement and immense traffic components. At the end of the tour, join us for a burger or salad at Blueberry Hill, one of St. Louis’ landmark restaurants.

Innovative Intersections
Tuesday, August 16, 8:00 a.m.–12:00 p.m.
Cost: $50
Engage with local professionals from the “Show-Me-State” as you visit recent applications of unique and innovative intersections such as a continuous flow intersection (CFI), diverging diamond interchange (DDI) and J-turn intersection. Engineers will be in the field with you to answer your questions about project drivers, technical issues, operational/maintenance considerations, public engagement efforts, implementation challenges and lessons learned. Discuss the “back-story” about other options considered and why these innovative solutions were chosen over more traditional designs. Bring home some new ideas for your intersection challenges back home.

Professional Pavement Products Inc.’s 922
Handheld Retroreflectometer Training
Monday, August 15, 1:30 p.m.–3:00 p.m.
Room 106, America’s Center
Debating on what method to use to meet the 2012 Sign Retroreflectivity Rule? This session focuses on the benefits and best practices for using today’s technology solutions to meet the coming regulations; and an in-depth look at how technology creates efficiencies that greatly reduce your real costs while simultaneously minimizing risk.
# Technical Program Diagram

## AUGUST 14

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Room</th>
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</thead>
<tbody>
<tr>
<td>11:00 a.m.–1:00 p.m.</td>
<td><strong>State of the Practice</strong> 2 (Rm. 100)</td>
<td>2</td>
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<td><strong>Intelligent Transportation Systems</strong> 3 (Rm. 101)</td>
<td>3</td>
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<tr>
<td>2:00 p.m.–3:30 p.m.</td>
<td>Planning Urban Roadway Systems—Proposed Recommended Practice Concepts</td>
<td>2</td>
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<tr>
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<td>How Connected Vehicle Apps can Transform the Way Americans Travel</td>
<td>3</td>
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<tr>
<td>4:30 p.m.–6:00 p.m.</td>
<td><strong>Transit Priority</strong> 4 (Rm. 104)</td>
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<td>Safer Streets for Healthier Children</td>
<td>5</td>
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<tr>
<td><strong>Roundabout Design Tour</strong></td>
<td>(2:00 p.m.–6:00 p.m.) registration required</td>
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## AUGUST 15

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<thead>
<tr>
<th>Time</th>
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<tr>
<td>8:00 a.m.–9:30 a.m.</td>
<td><strong>State of the Practice</strong> 10 (Rm. 100)</td>
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<td><strong>Program Management for Traffic Signal Systems</strong> 11 (Rm. 103)</td>
<td>11</td>
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<tr>
<td>10:30 a.m.–12:00 p.m.</td>
<td>ITE Delegation to China Overview</td>
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<td><strong>Multimodal Level of Service</strong> 12 (Rm. 101)</td>
<td>12</td>
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<tr>
<td>1:30 p.m.–3:00 p.m.</td>
<td>Introduction to SimCap and Microsimulation State of the Practice</td>
<td>18</td>
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<td><strong>Posters Sessions</strong> 16 (Exh. Hall)</td>
<td>16</td>
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<tr>
<td>4:00 p.m.–5:30 p.m.</td>
<td><strong>Technical Tours</strong> 17 (Exh. Hall)</td>
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<td><strong>Product Training</strong> 18 (Exh. Hall)</td>
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<td><strong>Technical Tours</strong> 19 (Exh. Hall)</td>
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<td><strong>Technical Tours</strong> 20 (Exh. Hall)</td>
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<td></td>
<td><strong>Technical Tours</strong> 25 (Exh. Hall)</td>
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</table>

* Seminars are included with Full Registration. For all other registration categories, a fee of $25 member/$50 nonmember applies.
Technical Tours

TUESDAY

26 (Rm. 224)

8:00 a.m.–9:30 a.m.

Managing Organizations in Challenging Times

Discussion Sessions

27 (Rm. 105)

Professional Ethics in Changing Times—Perspectives from Academia, Consultants and Public Agencies

10:00 a.m.–11:30 a.m.

Interview with an Innovator: [Name]

Context Sensitive Solutions

28 (Rm. 100)

Green Streets Infrastructure—An Innovative Approach to Sustainable Places

29 (Rm. 101)

The Changing Roles of Public Agencies in Setting Transportation Policies and Priorities

2:00 p.m.–3:00 p.m.

29 (Rm. 101) / 30 (Rm. 105)

Application of Internet Tools to Advance Transportation Goals/CANCELLED

Discussion Sessions/Workshop

30 (Rm. 105)

Purchasing Best Practices and Lessons Learned

31 (Rm. 100)

Context Sensitive Solutions—Designing Walkable Urban Thoroughfares

32

3:00 p.m.–5:00 p.m.

33 (Rm. 105)

2012 Retroreflectivity Rule: What’s My Agency to Do?

34 (Rm. 103)

CSS Design Workshop—A State and Regional Application*(3:00 p.m.-5:30 p.m.) laptop required

35 (Rm. 104)

Modern Roundabouts Design Workshop

* Seminars are included with Full Registration. For all other registration categories, a fee of $25 member/$50 nonmember applies.

Innovative Intersections Tour

(8:00 a.m.-12:00 p.m.) registration required

Rugged, in-ground, wireless sensors—with an unprecedented 10 year lifespan—are the core of our award-winning ITS solutions.

• Intersection
• Freeway
• Arterial

From one intersection—to an entire region—Sensys Networks’ universal platform is the cost-effective solution for every vehicle detection application.

Sensys Networks, Inc.
2560 Ninth Street, Ste. 219
Berkeley, CA 94710
(510) 548-4620
www.sensysnetworks.com
technical program

The Technical Program is composed of a variety of session types designed to create a better, more flexible learning environment for today’s transportation professional.

**Plenary Sessions** provide an opportunity for the entire delegation to join together in learning. The opening session will include a dynamic keynote address given by Major General Gregory E. Couch that you won’t want to miss. The Managing Organizations in Challenging Times plenary session will provide you with ways to use your resources in new, innovative ways, whether you're in the public or private sector.

**Traditional Technical Sessions** incorporate presentations by industry experts, focusing on information sharing, introduction to research, and state-of-the-practice tools and resources.

**Discussion Sessions & Workshops** focus on problem solving, critical issues, nuts-and-bolts traffic engineering, innovative design and effective communications for today’s transportation professionals.

**Seminars** are embedded directly into the technical program to allow a greater number of attendees to take advantage of training. They are designed to help you turn knowledge into real-life solutions. For detailed descriptions of each, please refer to page 10.

**Poster Sessions** provide a valuable opportunity for authors to present papers and engage with attendees for one-on-one and small group discussions. The posters will be grouped according to subject matter—Planning, Safety, Operations and Engineering & Design.

**Product Training Sessions** are designed to give the attendee a hands-on opportunity to learn the ins and outs of today’s transportation products. Audience participation is highly encouraged. For details of the training sessions being offered, please refer to p. 12.

All technical sessions, as well as the exhibit, are held at the America’s Center unless otherwise noted.

**DISCLAIMER:** Individuals involved in developing, administering, and delivering learning events demonstrate high standards of professional conduct and do not discriminate against learners on the basis of gender, age, socioeconomic or ethnic background, religion, sexual orientation, or disability.

The following program includes individuals confirmed at the time of publication. Information is subject to change. The views and opinions expressed by meeting participants are those of the participants and do not reflect official ITE policy unless so stated.

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**Earning Professional Development Hours (PDHs) and IACET Continuing Education Units**

To successfully earn PDH/IACET CEU you must complete an online meeting evaluation. The online evaluation link will be emailed after the meeting. Be sure to update your ITE profile with your current email address to ensure receipt of the email.

- Technical sessions earn 1.5 PDH/0.2 IACET CEU for attendance or presentation per plenary, technical, conversation circle or poster session.
- Seminars earn 1 PDH/0.1 IACET CEU per hour for attendance or presentation per seminar.
- Published papers and posters earn 10 PDH per paper/poster published as part of the online ITE 2011 Annual Meeting and Exhibit Compendium of Technical Papers and Posters. Paper/poster publication does not qualify for IACET CEU.
- Technical tours earn 1 PDH per hour of attendance.

Visit [www.ite.org/AnnualMeeting/pdh.asp](http://www.ite.org/AnnualMeeting/pdh.asp) for more information.

ITE and the ITE Educational Foundation (ITEEF) have been approved as Authorized Providers by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102.
1—Opening Plenary Session
Sunday, August 14
11:00 a.m.-1:00 p.m.
Room: 223-224
Presentation of Awards:
2011 ITE International President, Robert C. Wunderlich, Senior
Managing Director, Transportation/Engineering, City of Garland, Garland,
TX, USA
The Burton W. Marsh Distinguished
Service Award W. Hibbett Neel, Jr., President, Neel-Schaffer, Inc.,
Jackson, MS, USA
Theodore M. Matson Memorial
Award C. Michael Walton, Professor,
University of Texas, Austin, TX, USA
Keynote speaker: Major General
Gregory E. Couch, Chief of Staff,
United States Transportation Com-
mand, Scott Air Force Base, IL, USA
2—Planning Urban Roadway
Systems—Proposed Recommended
Practice Concepts
Sponsored by the ITE Transportation
Planning Council
State of the Practice Track
Sunday, August 14
2:00 p.m.-3:30 p.m.
Room: 100
Learning Objective: Discuss how pub-
lic agencies are tackling the defini-
tion of sustainable transportation and
identifying emerging best practices
and projects.
Presider: Donald R. Samdahl, Princi-
pal, Fehr & Peers, Seattle, WA, USA
Speakers:
Planning Urban Roadway Systems,
An ITE Proposed Recommended
Practice Donald R. Samdahl, Princi-
pal, Fehr & Peers, Seattle, WA, USA
Planning Layered Street Networks
Matthew D. Ridgway, Principal, Fehr &
Peers Associates Inc., San Francisco,
CA, USA
Applying Multimodal LOS to Roadway
Systems Planning Bradley K. Strader,
President, LSL Planning Inc., Royal
Oak, MI, USA
Multimodal Planning in St. Louis—
the Great Streets Program Paul
Hubbman, Project Coordinator,
East-West Gateway Council of Govern-
ments, St. Louis, MO, USA
3—How Connected Vehicle Apps can
Transform the Way Americans Travel
Sponsored by the ITS Joint Program
Office, U.S. DOT
Intelligent Transportation Systems
Track
Sunday, August 14
2:00 p.m.-3:30 p.m.
Room: 101
Learning Objective: Discuss updates
on current research in connected
vehicle technology.
Presider: Mike Pina, Program
Manager, ITS-JPO, U.S. DOT,
Washington, DC, USA
Speakers:
Lessons Learned from the Connect-
ed Vehicle Technology Challenge
Matt Cuddy, Operations Research Ana-
ylist, John A. Volpe National Transpor-
tation Systems Center, U.S. DOT-RITA,
Cambridge, MA, USA
Applications for the Environment:
Real-time Information Synthesis
(AERIS) J.D. Schneeberger, Lead,
Noblis, Falls Church, VA, USA
V2I and Safety Applications – A
Vendor Perspective from Testbed
to Products David Miller, Director of
Engineering, Siemens ITS, Austin, TX,
USA
The Secret to “Getting a Green”—
the Connected Vehicle Future Frank
J. Provenzano, Director of Public Rela-
tions, Econolite, Anaheim, CA, USA
4—Transit Priority Treatments on
Urban Streets
Sponsored by the ITE Transit Council
and Federal Transit Administration,
U.S. DOT
Transit Priority Track
Sunday, August 14
2:00 p.m.-3:30 p.m.
Room: 104
Learning Objective: Discuss an over-
view of application of transit priority
treatments on urban streets, ranging
from transit signal priority to exclu-
sive lanes.
Presider: William D. Byrne, Vice Presi-
dent, David Evans and Associates Inc.,
Denver, CO, USA
Speakers:
Overview of Transit Priority
Treatments Alan R. Danaher, Senior
Supervising Engineer, Parsons
Brinckerhoff, Orlando, FL, USA
WMATA Priority Corridors Network
Sean Kennedy, Senior Transportation
Planner, Washington Metropolitan
Area Transit Authority, Washington,
DC, USA
FTA’s Role in Transit Priority
Treatments on Urban Streets Jeffrey
L. Spencer, ITS Team Leader, Federal
Transit Administration, Washington,
DC, USA
New York City Transit Priority
Program Ted Orosz, Director, Long
Range Bus Planning, MTA New York
City Transit, New York, NY, USA
5—Safer Streets for Healthier
Children
Sponsored by the Robert Wood
Johnson Foundation
Designing for All Users Track
Sunday, August 14
2:00 p.m.-3:30 p.m.
Room: 102
Learning Objective: Inform, moti-
vate and advocate for change in the
implementation and behavioral habits
of transportation decision makers to
create healthier communities.
Presider: Meghan F. Mitman,
Associate, Fehr & Peers
Transportation Consultants, San
Francisco, CA, USA
Speakers:
Creating Safe Streets for Children
- Innovative Partnerships, Policy,
Programs and Funding Leslie A.
Meehan, Senior Transportation
Planner, Co-Chair Tennessee
Obesity Taskforce, Nashville Area
Metropolitan Planning Organization,
Nashville, TN, USA

/ Included in the online compendium of technical papers and posters.
technical program

√ Be a Superhero!: How Engineers Played a Pivotal Role in Creating Safer Streets Around Three St. Louis Schools Jennifer Allen, Active Transportation Manager, Trailnet, St. Louis, MO, USA

√ Complete Streets Around Schools: Promoting Health, Academic Success and a Safe Environment for the Next Generation Ian Thomas, Executive Director, PedNet Coalition, Columbia, MO, USA

√ Creating a Bikeable City for Kids: Evidence from Portland Jennifer Dill, Director, Oregon Transportation Research and Education Consortium; Associate Professor, Nohad A. Toulan School of Urban Studies and Planning, Portland State University, Portland, OR, USA

6—Complying with MUTCD Standards—When and How? Conversation Circle Sponsored by the Federal Highway Administration, U.S. DOT State of the Practice Track Sunday, August 14 4:30 p.m.-6:00 p.m. Room: 103 Learning Objective: Participants should be able to understand what flexibility does and does not exist regarding Standards in the MUTCD, and what MUTCD compliance dates apply to.

Panelists:
W. Scott Wainwright, Highway Engineer, MUTCD Team, U.S. DOT-FHWA, Washington, DC, USA
Hari Kalla, MUTCD Team Leader, U.S. DOT-FHWA, Washington, DC, USA
H. Gene Hawkins, Associate Professor, Texas A&M University, College Station, TX, USA

7—Using ITS Standards: An Overview Seminar Sponsored by the Professional Capacity Building Program (PCB), Research and Innovative Technology Administration, ITS Joint Program Office, U.S. DOT Intelligent Transportation Systems Track Sunday, August 14 4:30 p.m.-6:00 p.m. Room: 102 Learning Objective: Understand the status of current accessibility guide-

lines and the ramifications of not complying.

Presider: Ronald W. Eck, Consulting Engineer, Morgantown, WV, USA

Speakers:
Regulations Versus Guidelines Scott Windley, Accessibility Specialist, U.S. Access Board, Washington, DC, USA
Precedent-Setting ADA Suits You Should Be Aware of Patrick Gomez, Civil Rights Specialist, Federal Highway Administration Resource Center, Matteson, IL, USA
Municipal Perspective Alan Kercher, Principal, Kercher Engineering Inc., Newark, DE, USA
Risk Management Lessons Learned: Tort Claims Involving Non-Compliant Accessibility Features Ronald W. Eck, Consulting Engineer, Morgantown, WV, USA

10—High Speed Rail Grade Crossings Sponsored by the ITE National Grade Crossing Committee State of the Practice Track Monday, August 15 8:00 a.m.-9:30 a.m. Room: 100 Learning Objective: Discuss existing and evolving federal requirements and guidance on high speed rail grade crossings. Highlight the technical issues involved in safety and operations with presentations on a state-of-the-art legacy system on the Northeast Corridor as well as proposed system design for new Chicago to St. Louis high speed rail line.

Presider: Tom R. Lancaster, Founding Principal, Lancaster Engineering, Portland, OR, USA

Speakers:
FRA Requirements and Guidance for High-Speed Rail Grade Crossings Brian Gillaran, Grade Crossing Safety Engineer, Federal Railroad Administration, U.S. DOT, Washington, DC, USA
A Look at the Future Through the Rearview Mirror—Northeast Corridor Demonstration Higher Speed Crossing
Brent Ogden, Vice President, AECOM, Oakland, CA, USA

Design and Operational Features at Grade Crossings along the Higher Speed Passenger Rail Line between Chicago and St. Louis
Michael R. Garcia, Bureau Chief, Bureau of High Speed and Passenger Rail, Illinois DOT, Springfield, IL, USA

11—Defining Organizational Mission, Values, Goals and Objectives for Signal Systems Seminar
Sponsored by the National Transportation Operations Coalition
Program Management for Traffic Signal Systems Track
Monday, August 15
8:00 a.m.-9:30 a.m.
Room: 103
Instructor: Lawrence J. Marcus, Associate Vice President, Mid-Atlantic Planning Practice Leader, HNTB Corporation, Arlington, VA, USA

12—Congestion Management: New Approaches to Deliver Better Capacity and Operation Decisions
Sponsored by the Strategic Highway Research Program 2 (SHRP 2) at the Transportation Research Board
Multimodal Level of Service Track
Monday, August 15
8:00 a.m.-9:30 a.m.
Room: 101
Learning Objective: Introduce new processes, strategies and methods to assist decision makers and practitioners select, and deliver, transportation improvements to address traffic congestion.
Presider: David Plazak, Senior Program Officer, Strategic Highway Research Program 2 at Transportation Research Board, Washington, DC, USA
Speakers:
Framework for Collaborative Decision Making on Capacity Additions Beverly F. Bowen, Senior Manager, ICF International, Durham, NC, USA
Understanding the Contribution of Operations, Technology and Design in Meeting Highway Capacity Needs Brandon L. Nevers, Associate Engineer, Kittelson & Associates Inc., Reston, VA, USA
Predicting Travel Time Reliability and Application to Geometric Design Practice William Hyman, Senior Program Officer, Strategic Highway Research Program 2 at the Transportation Research Board, Washington, DC, USA
ATSAC: 25 Years Later John E. Fisher, Assistant General Manager, City of Los Angeles DOT, Los Angeles, CA, USA
PT1—Peek Traffic's TSP Controller Training
Product Training Track
Monday, August 15
8:00 a.m.-9:30 a.m.
Room: 106
Facilitator: Don Maas, Senior Project Engineer, Peek Traffic, Palmetto, FL, USA

PT2—Siemens’ ACS Lite Adaptive and SiTravel Blue Tooth Travel Data Training
Product Training Track
Monday, August 15
10:30 a.m.-12:00 p.m.
Room: 106
Facilitators: A. Mark Hudgins, Adaptive Product Manager, Siemens, Tyler, TX, USA, and Matt Zinn, SiTravel Product Manager, Siemens, Phoenix, AZ, USA

13—ITE Delegation to China Overview
State of the Practice Track
Monday, August 15
10:30 a.m.-12:00 p.m.
Room: 100
Learning Objective: Learn from representatives of the ITE People to People delegation their observations of innovative solutions that they witnessed in their tour of China and their applicability in North America as well as the unique opportunities and challenges that Chinese transportation professionals face in meeting the growing demand for the transportation of goods and people.
Presider: Paul Eng-Wong, President, Eng-Wong, Taub & Associates, Newark, NJ, USA
Speakers:
International Perspective Peter T. McCombs, Director, Chairman of the Board, Traffic Design Group Ltd., Lower Hutt, New Zealand
U.S. Perspective Jeff Arey, Vice President—Transportation/Infrastructure, Reynolds, Smith & Hills Inc., Jacksonville, FL, USA
Academic Perspective John M. Mason, Associate Provost and Vice President for Research, Auburn University, Auburn, AL, USA
Student Perspective Christina R. Arthur, Student, Illinois Institute of Technology, Chicago, IL, USA

14—Organizational Management for Signal Systems Seminar
Sponsored by the National Transportation Operations Coalition
Program Management for Traffic Signal Systems Track
Monday, August 15
10:30 a.m.-12:00 p.m.
Room: 103
Instructor: Lawrence J. Marcus, Associate Vice President, Mid-Atlantic Planning Practice Leader, HNTB Corporation, Arlington, VA, USA

15—HCM 2010: Multimodal Urban Street Methodology: Auto Mode Seminar
Multimodal Level of Service Track
Monday, August 15
10:30 a.m.-12:00 p.m.
Room: 104
Instructor: Mark A. Vandehey, Senior Principal, Kittelson & Associates Inc., Portland, OR, USA
technical program

16—Planning Posters
Poster Sessions Track
Monday, August 15
10:30 a.m.-12:00 p.m.
Exhibit Halls 1 & 2
Presenters:
√ Techniques for Successfully
Involving the Community in
Developing a Regional Strategic
Transportation Plan Ian R. Borsuk,
Project Engineer, Transportation
Planning, McCormick Rankin
Corporation/MMM Group, Ottawa, ON, Canada
√ TIM - Making the Tough Decisions
Together Rita L. Brohman, Senior
Project Manager, E.T.O. Division,
Delcan Corporation, Roseville, CA, USA
√ Examining the Influence of Transit
Service on Travel at Mixed-Use
Developments Benjamin R. Sperry,
Graduate Assistant Researcher, Texas
Transportation Institute, Texas A&M
University System, College Station,
TX, USA
√ Driving Smart: Car2Go in Austin
and Beyond Katherine Kortum,
Graduate Research Assistant,
University of Texas at Austin, Austin,
TX, USA
√ Sustainable Transportation
Evaluation Method (STEM):
Introduction and Progress Stuart
Samberg, Design Engineer, RK&K
Engineers, Raleigh, NC, USA
√ NCHRP 08-36/Task 89 Evaluating
and Communicating Travel Demand
Forecast Model Results Dan
Goldfarb, Senior Associate, Cambridge
Systematics Inc., Bethesda, MD, USA

17—Safety Posters
Poster Sessions Track
Monday, August 15
10:30 a.m.-12:00 p.m.
Exhibit Halls 1 & 2
Presenters:
√ Safety Effects of Left-Turn Bay
Length on Multilane Highways with
Two-Way Left-Turn Lane (TWLTL)
Median Jing Huang, Student, Southern
Illinois University - Edwardsville,
Edwardsville, IL, USA
√ Innovative Median Opening
Treatment on a Multilane Urban
Highway with Qwick Kurb Jiguang
Zhao, Graduate Research Assistant,
Southern Illinois University -
Edwardsville, Edwardsville, IL, USA
√ Integrating Gap Acceptance
Data into Traffic Safety Steven M.
Tupper, Graduate Research Assistant,
University of Massachusetts - Amherst,
Amherst, MA, USA
√ Protecting the Protectors
- Improving Traffic Incident
Responder Safety Steven J. Cyra,
HTNB Fellow, Associate Vice
President, HTNB Corporation,
Milwaukee, WI, USA
√ LED Traffic Signal Retrofits:
Implications for Intersection Safety
Najmeh Jami, Student, Intermodal
Freight Transportation Institute,
University of Memphis, Memphis, TN,
USA
√ Evaluation of Pedestrian Safety
Action Plan in Tampa Bay Huaguoz
Zhou, Assistant Professor, Southern
Illinois University - Edwardsville,
Edwardsville, IL, USA
√ Categorizing Vehicle and Non-
Motorized Interactions for Improving
Safety Katerina V. Moreland,
Graduate Student, Clemson University,
Clemson, SC, USA
√ High Wind Warning System to
Prevent Overturning Truck Crashes
in Wyoming Edward Offel, Graduate
Research Assistant, University of
Wyoming, Laramie, WY, USA
√ NYC Pedestrian Safety Study and
Action Plan Rob Viola, City Planner,
New York City DOT, New York, NY,
USA
√ Comparison Between Traditional
Methods and Empirical Bayes
Method for Identifying Hazardous
Intersections In-Kyu Lim, Senior
Highway Safety Engineer, Virginia
DOT, Richmond, VA, USA
√ Innovations in Work Zone Safety
Deborah McAvoy, Assistant Professor,
Ohio University, Athens, OH, USA
√ Developing a Safety Prompt List

18—Introduction to SimCap and
Microsimulation State of the
Practice
Sponsored by the ITE Traffic
Engineering Council
State of the Practice Track
Monday, August 15
1:30 p.m.-3:00 p.m.
Room: 100
Learning Objective: Introduce a new
user group as a part of ITE, which
will enhance and broaden the base of
knowledge related to microsimulation
and model calibration. Discuss some
of the recent research conducted un-
der NCHRP, TTI publications and other
studies.

Presider: Matthew Davis, Project
Manager, IBI Group, Toronto, ON,
Canada

Speakers:
What is SimCap? Matthew Davis,
Project Manager, IBI Group, Toronto,
ON, Canada

√ innovative median opening
treatment on a multilane urban
highway with qwikk kurb jiguang
zhao, graduate research assistant,
southern illinois university - edwardsville,
edwardsville, il, usa
√ integrating gap acceptance
data into traffic safety steven m.
tupper, graduate research assistant,
university of massachusetts - amherst,
amherst, ma, usa
√ protecting the protectors
- improving traffic incident
responder safety steven j. cyra,
htnb fellow, associate vice
president, htnb corporation,
milwaukee, wi, usa
√ led traffic signal retrofits:
implications for intersection safety
najmeh jami, student, intermodal
freight transportation institute,
university of memphis, memphis, tn,
usa
√ evaluation of pedestrian safety
action plan in tampa bay huaguoz
zhou, assistant professor, southern
illinois university - edwardsville,
edwardsville, il, usa
√ categorizing vehicle and non-
motorized interactions for improving
safety katerina v. moreland,
graduate student, clemson university,
clemson, sc, usa
√ high wind warning system to
prevent overturning truck crashes
in wyoming edward offel, graduate
research assistant, university of
wyoming, laramie, wy, usa
√ nyc pedestrian safety study and
action plan rob viola, city planner,
new york city dot, new york, ny,
usa
√ comparison between traditional
methods and empirical bayes
method for identifying hazardous
intersections in-kyu lim, senior
highway safety engineer, virginia
dot, richmond, va, usa
√ innovations in work zone safety
deborah mcavoy, assistant professor,
ohio university, athens, oh, usa
√ developing a safety prompt list

included in the online compendium of technical papers and posters.
Washington State Simulation Roundtable and Development of Simulation Guidelines
Tony S. Woody, Transportation Engineer, CH2M HILL Inc., Bellevue, WA, USA

Real World Calibration of SimTraffic Models
Orla Pease, Project Manager, Urban Engineers Inc., Cherry Hill, NJ, USA

19—Performance Management for Signal Systems Seminar
Sponsored by the National Transportation Operations Coalition
Program Management for Traffic Signal Systems Track
Monday, August 15
1:30 p.m.-3:00 p.m.
Room: 103
Instructor: Gary B. Thomas, Center Director, Texas Transportation Institute, College Station, TX, USA

20—HCM 2010: Multimodal Urban Streets Methodology Pedestrian, Bicycle and Transit Methods Seminar
Multimodal Level of Service Track
Monday, August 15
1:30 p.m.-3:00 p.m.
Room: 104
Instructor: Nick Foster, Associate Engineer, Kittelson & Associates Inc., Boise, ID, USA

21—Engineering and Design Posters
Poster Sessions Track
Monday, August 15
1:30 p.m.-3:00 p.m.
Exhibit Halls 1 & 2
Presenters:
√ LED Lighting Use and Trends for Roadway and Parking Facilities
Dhruva Lahon, Engineer, Kimley-Horn and Associates Inc., Dallas, TX, USA

√ Intermodal Transportation Enhancements Through Self-Enforcing Designs
Patrick O’Mara, Senior Supervising Transportation Engineer, STV Inc., New York, NY, USA

√ Comparing At Grade Intersection Designs Along Randall Road
Michael Trueblood, Senior Traffic Engineer, Trafficware, Sugar Land, TX, USA

√ Are Free Right-Turn Channelized Intersections Performing as They Should?
Grant G. Schultze, Associate Professor, Brigham Young University, Provo, UT, USA

√ Beyond The Pixels, the Analytical Value of Pedestrian Simulation
Lei Guo, Transportation Engineer, STV Inc., New York, NY, USA

√ Pavement Marking Patterns Used at Uncontrolled Pedestrian Crossings: An Informational Report of the Institute of Transportation Engineers
Kay Fitzpatrick, Senior Research Engineer, Texas Transportation Institute, Texas A&M University System, College Station, TX, USA

√ Speed Management at Entrances to Small Rural Communities
Shauna L. Hallmark, Associate Professor, Iowa State University, Ames, IA, USA

√ In-Vehicle Pedestrian Detection Using Layered Objection Recognition Approach
Wei Zhang, Highway Research Engineer, U.S. DOT-FHWA, McLean, VA, USA

√ I Love Roundabouts, But Not... Kenneth J. Petraglia, Vice President, BETA Group Inc., Norwood, MA, USA

22—Operations Posters
Poster Sessions Track
Monday, August 15
1:30 p.m.-3:00 p.m.
Exhibit Halls 1 & 2
Presenters:
√ Implementing New York City’s Bus Lane Camera Enforcement Program
John Tipaldo, Director, Systems Engineering, New York City DOT, Long Island City, NY, USA

√ M15 Select Bus Service: Using the Full Traffic Analysis Toolbox to Develop Successful Bus Rapid Transit on Complex Urban Arterials
Joseph E. Barr, Senior Supervising Planner, Parsons Brinckerhoff, Boston, MA, USA

√ A Systematic Approach to Analyzing and Addressing Combined Effects of Recurring and Non-Recurring Congestion
Koushik Arunachalam, ITS/Traffic Task Manager, ARCADIS, Atlanta, GA, USA

√ Managing Congestion from Closing Major Highways - Lessons from Virginia Megaprojects
David D. Metcalf, Senior Project Manager, ATCS P.L.C., Herndon, VA, USA

√ Traffic Safety Through the Use of Traffic Incident Management Plans, Systems, and Quick Clearance
Troy A. Peoples, Vice President - Transportation, Stantec, Raleigh, NC, USA

√ ATSAC: 25 Years Later
John E. Fisher, Assistant General Manager, City of Los Angeles DOT, Los Angeles, CA, USA

√ Benefit - Cost Analysis for Urban Freeway Traffic Management Strategies
Suzanna Long, Assistant Professor, California State Polytechnic University—Pomona, Pomona, CA, USA

√ LED Traffic Signal Management Strategies
C.Y. David Yang, Senior Research Engineer, U.S. DOT-FHWA, McLean, VA, USA

√ Comparison of Traffic Control Practices in Rail-Highway Grade Crossings
Wen Cheng, Assistant Professor, Missouri University of Science and Technology, Rolla, MO, USA

√ Advanced Research to Explore Future Intersection Management Strategies
C.Y. David Yang, Senior Research Engineer, U.S. DOT-FHWA, McLean, VA, USA

PT3—Professional Pavement Products Inc.’s 922 Handheld Retroreflectometer Training
Product Training Track
Monday, August 15
10:30 a.m.-12:00 p.m.
Room: 106
Facilitators: Steve Norkus, National Senior Relationship Manager, Professional Pavement Products Inc., Jacksonville, FL, USA

√ Included in the online compendium of technical papers and posters.
technical program

23—Accommodating Pedestrians and Bicycles
Sponsored by the ITE Pedestrian and Bicycle Council
State of the Practice Track
Monday, August 15
4:00 p.m.-5:30 p.m.
Room: 100
Learning Objective: Review findings on innovative pedestrian and bicycle treatments.
Presider: Matthew D. Ridgway, Principal, Fehr & Peers Associates Inc., San Francisco, CA, USA
Speakers:
ITE Pedestrian Bike Council’s Proposed Guidelines for Accommodating Pedestrians and Bikes at Interchanges
Meghan F. Mitman, Associate, Fehr & Peers Transportation Consultants, San Francisco, CA, USA
Automated Pedestrian Detection Field Test
Jeannette Montufar, Associate Professor, University of Manitoba, Winnipeg, MB, Canada
Pennsylvania Avenue Median and 15th Street North West Separated Bikeways
Josh Smith, Senior Project Manager, Traffic Engineering, Sabra, Wang & Associates Inc., Baltimore, MD, USA
International Experience with Separated Bikeways
Matthew D. Ridgway, Principal, Fehr & Peers Associates Inc., San Francisco, CA, USA

24—Maintenance Management for Signal Systems Seminar
Sponsored by the National Transportation Operations Coalition
Program Management for Traffic Signal Systems Track
Monday, August 15
4:00 p.m.-5:30 p.m.
Room: 103
Instructor: David A. Ellis, Traffic Engineer, David A. Ellis LLC, Poughkeepsie, NY, USA

25—Complete Streets Multimodal Level of Service Workshop
Sponsored by the ITE Pedestrian and Bicycle Council and the ITE Traffic Engineering Council
Multimodal Level of Service Track
Monday, August 15
4:00 p.m.-5:30 p.m.
Room: 104
Learning Objective: Discuss the cost and benefit challenges and needed tools for measuring and evaluating complete streets.
Facilitators:
Jeffrey R. Riegner, Vice President, Whitman, Riegner and Associates LLP, Wilmington, DE, USA
John LaPlante, Vice President/Director of Traffic Engineering, T.Y. Lin International, Chicago, IL, USA
Heather Smith, Planning Director, CNU, Chicago, IL, USA

26—Managing Organizations in Challenging Times
Tuesday, August 16
8:00 a.m.-9:30 a.m.
Room: 223-224
Learning Objective: Learn what these panelists’ organizations have done to become more efficient, adapt to today’s economic challenges, seek alternative funding and become better at predicting future challenges.
Moderator: Robert C. Wunderlich, Senior Managing Director, Transportation/Engineering, City of Garland, Garland, TX, USA
Panelists:
Michael Sanderson, President/CEO, Sanderson Stewart, Billings, MT, USA
John J. Kennedy, Senior Principal, Vanasse Hangen Brustlin Inc., Watertown, MA, USA
Peter T. McCombs, Director, Chairman of the Board, Traffic Design Group Ltd., Lower Hutt, New Zealand
Michael B. Cline, Commissioner, Indiana DOT, Indianapolis, IN, USA

27—Professional Ethics in Changing Times—Perspectives from Academia, Consultants and Public Agencies
Sponsored by the ITE Public Agency Council, ITE Consultants Council, ITE Education Council and ITE Ethics Standing Committee
Discussion Sessions Track
Tuesday, August 16
10:00 a.m.-11:30 a.m.
Room: 105
Learning Objective: Discuss different perspectives to obtaining the highest ethical standards despite diminishing budgets and the blurring of the lines in public-private partnerships.
Panel Moderator: Jennifer A. Rosales, Senior Program Officer, Transportation Research Board, Washington, DC, USA
Panelists:
Public Agency Perspective
John E. Fisher, Assistant General Manager, City of Los Angeles DOT, Los Angeles, CA, USA; and James R. Helmer, President, LightMoves, Ben Lomond, CA, USA
Academia Perspective
Grant G. Schultz, Associate Professor, Brigham Young University, Provo, UT, USA; and Neal R. Hawkins, CTRE Director, CTRE at Iowa State University, Ames, IA, USA
Consultant Perspective
Donald R. Samdahl, Principal, Fehr & Peers, Seattle, WA, USA; and Kenneth J. Petraglia, Vice President, BETA Group Inc., Norwood, MA, USA

28—Green Streets Infrastructure—An Innovative Approach to Sustainable Places
Sponsored by the ITE Transportation Planning Council
Context Sensitive Solutions Track
Tuesday, August 16
10:00 a.m.-11:30 a.m.
Room: 100
Learning Objective: Provide insight into meeting emerging expectations for improved environmental performance of our transportation system, highlighting a variety of project types including streets, transit, pedestrian zones and multi-modal corridors.
Presider: Bradley K. Strader, President, LSL Planning Inc., Royal Oak, MI, USA

Speakers:
Overview and Details of the West Union Green Streets Demonstration Project David Yocca, Principal Landscape Architect/Planner, Conservation Design Forum, Elmhurst, IL, USA

Applying Green Approaches to Street and BRT Design Thomas C. Larsen, City Traffic Engineer, City of Eugene, Eugene, OR, USA

Court Square - A Walkable Urban Plaza Richard A. Hall, President, Hall Planning & Engineering Inc., Tallahassee, FL, USA

Applying a Great Streets Approach in Metro St. Louis Paul Hubbman, Project Coordinator, East-West Gateway Council of Governments, St. Louis, MO, USA

29—The Changing Roles of Public Agencies in Setting Transportation Policies and Priorities Sponsored by the ITE Policy and Legislative Committee and ITE Public Agency Council Discussion Sessions/Workshop Track Tuesday, August 16 10:00 a.m.-11:30 a.m. Room: 101 Learning Objective: Discuss the potential for a reduced federal role and other major trends affecting public sector transportation organizations and what affect these may have on the relative roles of transportation agencies in raising revenue and setting transportation policies and priorities. Panel Moderator: Mark R. Norman, Director, TRB Technical Activities Division & Chair, ITE Policy & Legislative Committee, Transportation Research Board, Washington, DC, USA

Panelists:
Federal Perspective Mary Lynn Tischler, Director, Office of Transportation Policy Studies, U.S. DOT-FHWA, Washington, DC, USA

Local Agency Perspective Timothy P. Harpst, Transportation Director, Salt Lake City Transportation Division, Salt Lake City, UT, USA

Regional (MPO) Perspective Steven B. Gayle, Gayle Consult LLC, Gilbertsville, NY, USA

Local Agency Perspective Hans F. Larsen, Director of Transportation, City of San Jose, San Jose, CA, USA

30—Parking Pricing Best Practices and Lessons Learned Conversation Circle Sponsored by the ITE Parking Council Discussion Sessions Track Tuesday, August 16 1:00 p.m.-2:30 p.m. Room: 105 Learning Objective: Discuss parking pricing, parking management and stakeholder buy-in as part of the new landscape for parking. Panel Moderator: Edward Papazian, Vice President, Kimley-Horn and Associates Inc., Reston, VA, USA

Panelists:
Ransford S. McCourt, President, DKS Associates, Portland, OR, USA
Margo Polley, Strategic Advisor, City of Seattle, Seattle, WA, USA
Amir Sedadi, Assistant General Manager, City of Los Angeles DOT, Los Angeles, CA, USA
Willa Ng, Senior Project Manager, New York City DOT, New York, NY, USA
Chuck Reedstrom, Senior Practice Builder, Kimley-Horn and Associates Inc., Houston, TX, USA

31—Context Sensitive Solutions: Designing Walkable Urban Thoroughfares Context Sensitive Solutions Track Tuesday, August 16 1:00 p.m.-2:30 p.m. Room: 100 Learning Objective: Understand successful application of the CSS process and principles contained in ITE’s new recommended practice, Designing Walkable Urban Thoroughfares: A Context Sensitive Approach using different sets of local stakeholder objectives and conditions to produce successful walkable thoroughfare examples and precedents that you can use for your projects.

Presider: James M. Daisa, Associate Principal, Ove Arup and Partners Ltd., San Francisco, CA, USA

Speakers:
South Lake Shore Drive, Chicago John LaPlante, Vice President/Director of Traffic Engineering, T.Y. Lin International, Chicago, IL, USA
CSS Success - A Walkable Street and Redevelopment Tool Brian S. Bochner, Senior Research Engineer, Texas Transportation Institute, Texas A&M University System, College Station, TX, USA

The Evolution of Cumberland Avenue, Knoxville, Tennessee R. Marshall Elizer Jr., Executive Vice President, Gresham, Smith & Partners, Nashville, TN, USA

Downtown Springfield, Missouri Walkable Street Program Earl E. Bochner, Senior Research Engineer, Texas Transportation Institute, Texas A&M University System, College Station, TX, USA

32—Application of Internet Tools to Advance Transportation Goals CANCELLED

33—2012 Retroreflectivity Rule: What’s My Agency to Do? Conversation Circle Discussion Sessions Track Tuesday, August 16 3:00 p.m.-5:00 p.m. Room: 105 Learning Objective: Discuss the options and challenges faced in meeting the requirements of the Retroreflectivity Rule.

Panel Moderator: Steven P. Scalici, Senior Associate, STV Inc., New York, NY, USA

— Included in the online compendium of technical papers and posters.
technical program

Panelists:
Terry A. Little, Traffic Services Manager, Ada County Highway District, Garden City, ID, USA
Stephen M. Remias, Graduate Research Assistant, Purdue University, West Lafayette, IN, USA
Steve Norkus, National Senior Relationship Manager, Professional Pavement Products Inc., Jacksonville, FL, USA

Instructors:
Patricia B. Noyes, Principal, Pat Noyes & Associates, Boulder, CO, USA
Mary Jo Vobejda, Principle Project Manager, CH2M HILL, Englewood, CO, USA

34—CSS-Design Workshop-A State and Regional Application Seminar
Context Sensitive Solutions Track
Tuesday, August 16
3:00 p.m.-5:30 p.m.
Room: 103
laptop required

35—Modern Roundabouts Design Workshop
Sponsored by the ITE Roundabout Task Force
Discussion Sessions/Workshop Track
Tuesday, August 16
3:00 p.m.-5:00 p.m.
Room: 104
Learning Objective: Understand the issues associated with designing and implementing modern roundabouts.

Facilitators:
Gary W. Schatz, Assistant Director, City of Austin, Austin, TX, USA
Hillary N. Isebrands, Highway Safety Specialist, U.S. DOT-FHWA, Lakewood, CO, USA
Shawn Leight, Vice President, Crawford, Bunte, Brammeier, St. Louis, MO, USA

traffic bowl grand championship

The ITE Collegiate Traffic Bowl is a Jeopardy-style competition for ITE student chapters, designed to test the students’ knowledge of transportation planning and engineering topics. The following teams participated at the District level and were selected to compete in the grand championship here in St. Louis. The winning team will receive $2,000 (US).

Northeastern District—University of Connecticut
Mid-Colonial District—University of Delaware
Great Lakes District—Michigan University
Midwestern District—University of Kansas
Southern District—North Carolina State University
Western District—Brigham Young University
Canadian District—University of Toronto
Texas District—Texas A&M University
Florida District—University of Florida

Stop in to see the action for yourself on Tuesday, August 16, 10:00 a.m.-12:00 p.m. in Room 220 at America’s Center. Stay for the whole game or just a round.
speakers & presiders

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award winners

Burton W. Marsh Distinguished Service Award Winner, W. Hibbett Neel Jr.

W. Hibbett Neel Jr. became an ITE member while studying for his master’s degree at the Georgia Institute of Technology—he obtained his Bachelor’s at Vanderbilt University—and now has the distinction of being an ITE Fellow with Life Member status. In his 47 years as a member, he has proven to be a staunch supporter of the Institute, serving with distinction at various levels and on dozens of committees and councils.

Mr. Neel co-founded the Deep South Division (section) and served as its first president. He was elected to all offices of the Southern Section (district) and represented the Southern District on ITE’s International Board of Direction. Mr. Neel has also served as chairman on a number of ITE committees including Southern District Annual Meeting Local Arrangements Committees, the Ethics Task Force, the Policy and Legislative Committee and the Recruitment, Retention, Reactivation (3R) Committee. He has been the Chairman of the Transportation Consultants Council and served on the Executive Committee of the Transportation Expert Witness Council. Mr. Neel was awarded the Deep South Section Outstanding Service Award, the Southern District Herman J. Hoose Distinguished Service Award and the Southern Section Marble J. Hensley Individual Activity Award.

Mr. Neel has authored numerous papers and articles including, “Striving for Ethics in Transportation Engineering” and “Ethics and the Transportation Consultant.” As a founding member of Neel-Schaffer Inc. in 1983, Hibbett leads his firm by example and encourages his staff of more than 400 located in 30 offices to be active members at all levels of the Institute.

Aside from Hibbett’s dedication and participation in ITE, equally notable is his long list of other community and professional service activities. He was recognized by APWA as the Mississippi Member of the Year; ASCE with the Diversity Champions Award; ACEC with the Community Service Award; and Vanderbilt University School of Engineering as a Distinguished Alumnus. He has served on several Boards of Directors, including Jackson Chamber of Commerce, Mississippi Economic Council, Catholic Charities, Keep Jackson Beautiful, Leadership Jackson, Vanderbilt University School of Engineering Advisory Council and Jackson State University School of Engineering Advisory Council. He currently serves on the Board of the Community Foundation for Greater Jackson, as Chairman of Mississippi Blood Services and as Chairman of the APWA Mississippi Chapter Legislative Committee for 15 plus years.

As an Eagle Scout and officer of the U.S. Army, Mr. Neel’s leadership qualities started early and consistently as he knowingly follows the philosophy of Sir Winston Churchill who stated, “we make a living by what we get, but we make a life by what we give.” As evidenced above, Mr. Neel certainly takes this philosophy to heart.

All of this was accomplished while being a devoted husband to his wife Susan, dedicated father of three and, more recently, proud grandfather of three. Mr. Neel is an obvious and deserving recipient of this award.

Burton W. Marsh Distinguished Service Award

The Burton W. Marsh Distinguished Service Award recognizes an individual who has contributed to the advancement of the Institute of Transportation Engineers over a period of years in an outstanding fashion. Burton W. Marsh was “Mr. ITE.” He was a Founder, Past President and former Executive Secretary of ITE. For more than 50 years, Burt was one of the most active ITE members, providing sage and friendly counsel and always willing to pitch in and do more than his fair share. He was a pioneer in urban traffic engineering and recognized early on the importance of traffic safety programs that incorporated the driver, the vehicle and the roadway elements.
Theodore M. Matson Memorial Award

Winner, Dr. C. Michael Walton

Dr. C. Michael Walton is Professor of Civil Engineering and holds the Ernest H. Cockrell Centennial Chair in Engineering at The University of Texas at Austin (UT). In addition, he holds a joint academic appointment in the Lyndon B. Johnson School of Public Affairs. For more than 40 years he has pursued a career in transport systems engineering and policy analysis.

Dr. Walton is a member of the National Academy of Engineering. He is a founding member of the Intelligent Transportation Society (ITS) of America and a past chair of the Board of Directors. Dr. Walton is a past chair and current member of the Transportation Research Board (TRB) Executive Committee. As the National Research Council (NRC) chair of the TRB Division he serves on the Governing Board of the NRC. He is active in the American Road and Transportation Builders Association (ARTBA) and a past chair of the board. He was appointed by the governor of Texas and elected chair of the “2030 Committee” to define the transportation funding needs to the year 2030.

Dr. Walton has contributed to more than 400 publications in the areas of ITS, freight transport, and transportation engineering, planning, policy and economics, and he has delivered several hundred technical presentations. He has served as senior editor and as a member of the editorial board for a variety of technical reference books, manuals and international journals.

Dr. Walton earned his B.S. in civil engineering from Virginia Military Institute, and his master’s and Ph.D. from North Carolina State University. In 2006 he received an honorary doctorate degree from the Nagoya Institute of Technology in Japan.

ITE joins the other organizations represented on the award committee to honor C. Michael Walton with the Theodore M. Matson Memorial Award for his advancement of the profession through outstanding contributions in the field of traffic engineering.
award winners

Each year, ITE selects award recipients in honor of outstanding achievements in transportation engineering and distinguished service. ITE is honored to have these distinguished and innovative professionals as part of the transportation community—from future leaders to individuals who have dedicated their careers to serve the transportation profession to organizations that develop innovative ways to improve transportation systems. The awards bestow international recognition upon the recipients and increase the public’s awareness of the roles and responsibilities of the transportation engineer. For award winner bios, please visit www.ite.org/annualmeeting/awards.pdf

Wilbur S. Smith Distinguished Transportation Educator Award: Tarek Sayed
Past Presidents’ Award for Merit in Transportation: Dhruva Lahon
District/Section Newsletter Award (Circulation less than 250): NY Upstate Section, Editor Christina L. Douglas
District/Section Newsletter Award (Circulation 250-500): Illinois Section, Editor Mark D. Rinnan
District/Section Newsletter Award (Circulation greater than 500): Florida Section, Editor Rosana Correa-Verdego
Section Activities Award: Florida Section
Transportation Achievement Award—Operations: Campus Traffic & Parking Project, Traffic Analysis & Design Inc. and the Facilities Management System at Edwards Hines Jr. VA Hospital
Transportation Achievement Award—Facilities: The Transportation Management Center of the Ozarks
Transportation Achievement Award—Safety: “Teens in the Driver Seat,” Texas Transportation Institute
Management & Operations/ITS Council—Individual Achievement Award: Philip J. Tarnoff
Management & Operations/ITS Council—Best Project Achievement Award: RTC FAST Dashboard—Freeway Performance Monitoring and Measurement System
Transportation Education Council Innovation in Education Award: Transportation Leadership Graduate Certificate (TLGC) Program
Transportation Planning Council Best Project Award: “I-95 Transportation Alternatives Study,” Florida Department of Transportation
Transportation Planning Council Best Program Award: “Transportation Impact Study Guidelines,” Pennsylvania Department of Transportation
Young Consultants Award: Jason J. Stribiak
Public Agency Council Achievement Award of Excellence: Dallas Area Rapid Transit
Edmund R. Ricker Transportation Safety Award—Individual: Juan Morales
Edmund R. Ricker Transportation Safety Award—Organization: Singapore LTA
Transportation Consultants Council Young Professionals Scholarship Program: Samuel W. Gregorio, Jason J. Stribiak and Matthew L. Kruse
Coordinating Council Best Project Award: Pavement Marking Patterns Used at Uncontrolled Pedestrian Crossings, Kay Fitzpatrick
Coordinating Council Outstanding Volunteer Special Recognition Award: Matthew D. Ridgway
Daniel B. Fambro Student Paper Award: Katerina V. Moreland
Student Chapter Award: University of Massachusetts—Amherst

28
The ITE Exhibit showcases transportation products and services from around the world—from signs and marking equipment to computer software displays and planning service providers. The exhibit gives you the opportunity to experience the newest technologies and services, and is designed to help you meet your traffic and transportation needs. All meeting attendees and industry-related personnel may view the exhibits AT NO COST.

**Exhibit Hours**

- **Sunday, August 14**
  - 1:00 p.m.–4:30 p.m.
  - Grand Opening Lunch: 1:00 p.m.–2:00 p.m.
  - Networking Break: 3:30 p.m.–4:30 p.m.

- **Monday, August 15**
  - 9:30 a.m.–4:00 p.m.
  - Networking Break: 9:30 a.m.–10:30 a.m.
  - Lunch: 12:00 p.m.–1:30 p.m.
  - Networking Break: 3:00 p.m.–4:00 p.m.

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**Exhibit Halls 1 & 2**

- **Operations Posters**
- **Planning Posters**
- **Engineering & Design Posters**
- **Safety Posters**
exhibitors as of July 27, 2011

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- Alpha Technologies ................. 225, 324
- ATSSA .................................. 502
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- Dialight Corp. ....................... 121
- Eberle Design Inc. .................. 319
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- Strong Concepts ..................... 514
- Strategic Highway Research Program

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Booth: 107

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Newark, NY 14513 USA
Tel: 315-331-2182
Fax: 315 331-8205
sne@imsasafety.org
www.imsasafety.org

IMSA is a non-profit public safety organization dedicated to providing quality certification programs for the safe installation, operation and maintenance of public safety systems; delivering value for members by providing the latest information and education in the industry. Certification programs are offered in work zone traffic control, traffic signals, signs and markings, roadway lighting, telecommunications and fire alarm.

Booth: 318
exhibitors

Intelight Inc.
3450 S. Broadmont, Ste. 126
Tucson, AZ 85713 USA
Tel: 520-795-8808
Fax: 520-795-8811
michele.gardner@intelight-its.com
www.intelight-its.com
Intelight Inc. manufactures and supplies innovative traffic management products including advanced traffic controllers, traffic control cabinets, smart signals, arterial systems masters, NTCIP compliant local software and Web-based central software systems.
Booth: 137, 236

ITEM Ltd.
2 - 40 Cadillac Ave.
Victoria, BC V8Z 1T2 Canada
Tel: 250-381-4836
Fax: 250-381-4830
gannon@itemltd.com
www.itemltd.com
Intelligent Traffic Equipment Marketing Ltd. (ITEM) specializes in ITS and traffic safety solutions, including LaneLight LED in-road crosswalk and dynamic delineation systems and LED-enhanced signage.
Booth: 125

Iteris
1700 Carnegie Ave., Suite 100
Santa Ana, CA 92705-5551 USA
Tel: 949-270-9684
Fax: 949-270-9411
gtaylor@iteris.com
www.iteris.com
Iteris Inc. is a leader in the traffic management market focused on the development and application of advanced technologies that reduce traffic congestion and improve the safety of surface transportation systems infrastructure. Combining outdoor image processing, traffic engineering and information technology, Iteris offers a broad range of intelligent transportation systems and driver safety solutions.
Booth: 118

JSF Technologies
6771 Kirkpatrick Cres.
Saanichton, BC V8M 128 Canada
Tel: 250-544-1640
Fax: 800-576-7899
eaevans@jsftech.com
Booth: 312

Kimley-Horn and Associates
P.O. Box 33068
Raleigh, NC 27636 USA
Tel: 919-677-2000
Fax: 919-677-2050
services@kimley-horn.com
www.kimley-horn.com
Founded in 1967 as a transportation engineering firm, Kimley-Horn’s multi-disciplinary team develops practical solutions for your transportation project, whether it’s a corridor, a community, an intermodal hub, or an entire state. Our plans are constructible, sensitive to state, agency, safety and environmental standards, and take construction costs into consideration.
Booth: 213

LeddarTech Inc.
2740 Einstein St.
Quebec, QC G1P 4S4 Canada
Tel: 418-653-9000
Fax: 418-653-9099
johanne.cyr@leddartech.com
www.leddartech.com
Booth: 321

Leotek Electronics USA Corp.
726 S. Hillview Dr.
Milpitas, CA 95035 USA
Tel: 408-380-1788 ext. 202
Fax: 408-518-8128
frank@leotek.com
www.leotek.com
Leotek Electronics USA Corp. is globally recognized as a pioneer in light-emitting diode (LED) technology. With millions of LED products installed throughout the United States, Leotek offers a history of proven performance. We manufacture innovative LED lighting products for applications encompassing traffic, transit, street lighting and railroad.
Booth: 124, 126

McCain Inc.
2365 Oak Ridge Way
Vista, CA 92081 USA
Tel: 888-262-2246
Fax: 760-734-5082
info@mccain-inc.com
www.mccain-inc.com
McCain provides progressive solutions, successfully addressing transportation concerns and promoting urban mobility. A forward thinking, vertically integrated company, McCain provides superior traffic equipment, advanced traffic management software, and parking solutions. McCain is a recognized leader in products and services, trusted to facilitate safety, guidance and navigation of the world’s roads.
Booth: 119

McTrans Center
P.O. Box 116585
Gainesville, FL 32611-6585 USA
Tel: 352-392-0378 x241
Fax: 352-392-3224
bsampson@ce.ufl.edu
The McTrans Center at the University of Florida distributes and supports over 300 software packages to traffic engineers and transportation planners worldwide, including the development, support and maintenance of the highway capacity software (HCS), TRANSYT-7F, TSIS-CORSIM.
Booth: 409

Miovision Technologies Inc.
148 Manitou Dr.
Kitchener, ON N2C 1L6 Canada
Tel: 519-513-2407 ext. 204
Fax: 866-413-2928
swalker@miovision.com
www.miovision.com
Booth: 425, 427

Myers Power Products
2950 E. Philadelphia St.
Ontario, CA 91761 USA
Tel: 909-923-1800
Fax: 909-923-1806
bob.young@myerspower.com
www.myerspower.com
Myers Power Products manufactures fully integrated UPS/battery backup systems for traffic and emergency
signage applications including traffic lights, LED signals, video monitoring, overhead LED signage and toll applications. Myers Power also manufactures traffic control, UPS and TelCo cabinets; and metered and un-metered service pedestals.

Booth: 400

National Highway Institute
1310 N. Courthouse Rd., Ste. 300
Arlington, VA 22201 USA
Tel: 703-225-2847
lpinto@icfi.com
www.nhi.fhwa.dot.gov

The National Highway Institute (NHI) is the training and education arm of the Federal Highway Administration. NHI continually strives to improve the performance of the transportation industry by partnering with both public and private organizations to provide training options in every state and on the Internet.

Booth: 227

National Sign and Signal Co.
301 S. Armstrong Rd.
Battle Creek, MI 49037 USA
Tel: 269-963-2817
Fax: 269-963-2865
mzangaro@nationalssc.com
www.nationalssc.com

National Sign & Signal Company designs, manufactures and system integrates traffic safety/control signs with project specific message, multiple message and design application best illumination options including fiber optic, solid state fiber optic, LED discreet, backlit and edgelit, making use of traditional or nontraditional, solar power sources.

Booth: 113

Naztec Inc.
P.O. Box 765
Sugar Land, TX 77487 USA
Tel: 281-240-7233
Fax: 281-240-7238
vernon@naztec.com
www.naztec.com

Naztec Inc. is a North American full line complete manufacturer of NEMA TS2, 2070 & ATC hardware and soft-
ware platforms for the traffic control industry. The Naztec ATMS.now software package provides today's traffic engineer with a wide array of tools to manage and move traffic efficiently in an ever increasing and demanding environment.

**Booth: 437, 536**

**Northwest Signal**
12965 SW Herman Rd.
Tualatin, OR 97062 USA
Tel: 503-635-4351
Fax: 503-635-4341
gary.eaton@nwsignal.com
www.nwsignal.com

Northwest Signal is a 37 year old manufacturer, software developer and traffic product distributor. We offer a suite of 2070 software, poles and structures and cabinets. We represent PEEK®, LEOTEK®, PELCO®, MOXA®, LeddarTech®, SIMREX® and many others. Northwest Signal is located in a 47,000 sq. ft. facility south of Portland, OR.

**Booth: 424**

**Novax Industries Corp.**
202-1525 Cliveden Ave.
Delta, BC V3M 6L2 Canada
Tel: 604-525-5644
Fax: 604-525-2739
carol.wang@novax.com
www.novax.com

**Booth: 331**

**Peek Traffic Corp.**
2906 Corporate Way
Palmetto, FL 34221 USA
Tel: 941-845-1252
Fax: 941-845-1501
clara.alarcon@peektraffic.com
www.peektraffic.com

Peek Traffic Corp., a driving force of innovation in the intelligent traffic control industry, has a wide line of products such as traffic control hardware and software, data and classification hardware, tolling equipment, cabinet UPS systems, and vehicle detection equipment, furthermore advanced video algorithms, advanced traffic controllers, and feature-rich standards-based software systems.

**Booth: 101**

**Pelco Products Inc.**
320 W. 18th St.
Edmond, OK 73013 USA
Tel: 405-340-3434
Fax: 405-340-3435
sparduhn@pelcoinc.com
www.pelcoinc.com

Pelco Products Inc. is an Oklahoma-based, family-owned business specializing in the design and manufacture of traffic signal hardware, utility poles and decorative outdoor lighting. Pelco Products Inc. is the largest traffic signal hardware manufacturer in the nation, selling products in all 50 states and multiple international markets.

**Booth: 112**

**Pexco, Davidson Traffic Control Products**
3110 70th Ave. E.
Tacoma, WA 98424 USA
Tel: 253-284-8021
Fax: 253-284-8080
Heidi.Burmeister@pexco.com
www.davidsontraffic.com

**Booth: 306, 308**

**Polara Engineering Inc.**
9153 Stellar Ct.
Corona, CA 92883 USA
Tel: 714-521-0900
Fax: 714-521-5587
lynn@polara.com
www.polara.com

**Booth: 313**

**PTV America Inc.**
9755 SW Barnes Rd., Suite 550
Portland, OR 97225 USA
Tel: 503-297-2356 ext 2215
Fax: 503-297-2230
jpless@ptvamerica.com
www.ptvamerica.com

**Booth: 307**

**Quadstone Paramics**
125 Summer St., 16th Fl.
Boston, MA 02110 USA
Tel: 617-457-5204
paramics-info@paramics-online.com
www.paramics-online.com

Quadstone Paramics Traffic and Pedestrian simulation software is used by transport professionals in over 80 countries to design efficient, economical, driver and pedestrian friendly transportation infrastructure allowing operational assessment for current and future year traffic conditions, detailed reporting of key MOE's and high definition presentations to non-technical stake holders.

**Booth: 414**

**Quality Counts LLC**
16285 SW 85th Ave., Ste. 302
Tigard, OR 97224 USA
Tel: 703-542-4400
Fax: 654-692-9086
cstevenson@qualitycounts.net
www.qualitycounts.com

**Booth: 402**

**QWICK KURB® INC.**
1916 US41 South
Ruskin, FL 33570 USA
Tel: 813-645-5072
Fax: 813-645-4856
matthew@qwickkurb.com
www.qwickkurb.com

US Distributor and licensee of Horizon/Klemmfix delineation and traffic control products including traffic separators and lane shifting conveyors.

**Booth: 325**

**Reno A&E**
4655 Aircenter Cir.
Reno, NV 89502 USA
Tel: 775-826-2020
Fax: 775-826-9191
kimm@renoae.com
www.renoae.com

Reno A&E manufactures Loop Detectors including detectors to detect bicycles, NEMA TS1/TS2 malfunction management units (ask us about flashing yellow arrow), 170/2070 type conflict monitors, automatic vehicle identification equipment, dual indication load switches, flashers, flash transfer relays, high temperature preformed loops and saw cut preformed loops, loop wire and cable.

**Booth: 201**

**Road Kare International**
530 Jesse St.
Grand Prairie, TX 75051 USA
Tel: 972-623-9885
Road Kare international is a US manufacturer and supplier of specialized traffic calming products. Our speed cushion line, “Road Kop” includes speed cushions, speed tables, speed bumps and speed humps. They are manufactured in the US from recycled rubber and are available nationally. We also maintain an export group.

Booth: 301

Rodel
Markus House, Parkhall Rd.
Stoke-on-Trent, Staffs ST3 5XA UK
Tel: 01782-72572
Fax: 01782-72572
jamieblakeley@ruggedcom.com
www.ruggedcom.com
Booth: 330

RuggedCom
30 Applewood Cres.
Concord, ON L4K 5C7 Canada
Tel: 905-856-5288
Fax: 905-856-1995
jamieblakeley@ruggedcom.com
www.ruggedcom.com
Booth: 506

Sensata Technologies
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St. Paul, MN 55110 USA
Tel: 651-653-7000
Fax: 651-653-7600
mike.olsen@sensata.com
dimensions.sensata.com
Sensata Technologies manufactures dimensions battery backup systems (BBS). Dimensions products are known for high reliability, quality, and ease of use. Sensata is the brand of choice by many agencies and has over 8,700 installations nationwide. Sensata stands behind their products with outstanding customer service and a 5 year warranty.

Booth: 309, 408

Sensys Networks
2560 9th St., Ste. 211
Berkeley, CA 94710 USA
Tel: 510-5898-2269
Fax: 510-548-5269
rdviola@sensysnetworks.com
www.sensysnetworks.com
Sensys Networks is the world’s leading provider of wireless traffic detection and integrated traffic data systems. Our universal platform delivers the most dependable, flexible and cost-effective solution on the market today. Our patented, wireless magnetic sensors—with an unprecedented 10-year battery life—in a fraction of the time with far less disruption to traffic.

Booth: 300, 302

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Rockford, IL 61104 USA
Tel: 815-229-3292
Fax: 815-229-7082
sales@skybracket.com
www.skybracket.com
Booth: 418

Skyline Products Inc.
2903 Delta Dr.
Colorado Springs, CO 80910 USA
Tel: 719-392-9046
Fax: 719-392-2075
johnbest@snowyproducts.com
www.skylineproducts.com
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Strategic Highway Research Program (SHRP 2)
500 Fifth St. NW
Washington, DC 20001 USA
www.nas.edu
SHRP 2 brings a strategic focus to providing innovations that help transportation agencies overcome long-standing barriers and deliver excellent customer service. SHRP 2 products featured for ITE members support transportation agency decision making and professional practice to improve traffic congestion and highway safety performance. The Transportation Research Board (TRB), administers the program in cooperation with FHWA, NHTSA, and AASHTO.

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Strong Concepts
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Northbrook, IL 60062 USA
Tel: 847-564-0386
Fax: 847-474-4486
info@strongConcepts.com
www.strongconcepts.com

Booth: 514

Tesco Controls Inc.
P.O. Box 299007
Sacramento, CA USA
Tel: 916-395-8800
Fax: 916-429-2817
sales@tescocontrols.com
www.tescocontrols.com
Booth: 327

TOMAR Electronics Inc.
2100 W. Obispo Ave.
Gilbert, AZ 85233 USA
Tel: 480-497-4400
Fax: 480-497-4416
michelle.robb@tomar.com
www.tomar.com
Booth: 327

Traffic Logix
6400 E. Apollo Dr.
Baltimore, MD 21209 USA
Tel: 866-915-6449 ext. 813
Fax: 866-995-6449
d.werner@trafficlogix.com
www.trafficlogix.com
Traffic Logix is a direct sales manufacturer of a full line of traffic calming solutions including the family of SafePace radar speed signs and a variety of modular rubber solutions. Traffic Logix solutions have been installed in cities across the world, helping to return safety to neighborhood streets.

Booth: 419
Trafficware
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Fax: 281-240-0452
sales@trafficware.com
www.trafficware.com
Trafficware presents Synchro Studio 7 and Warrants 7. Studio includes Synchro, SimTraffic and the visualization tool, 3D Viewer. 3D Viewer allows users to create rich visualizations. Warrants 7 implements the eight Federal MUTCD warrants and transfers to/from Synchro.
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Fargo, ND 58108-6050 USA
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jody.bohn@ndsu.edu
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The Transportation Leadership Graduate Certificate (TLGC) Program is a unique opportunity for transportation professionals to advance their careers through education. Aimed at transportation industry leaders and future leaders, the TLGC provides the education that professionals need beyond a bachelor’s degree, addressing critical transportation issues such as policy, management, safety, security, logistics and more.
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Traficon (USA) International is the reference in traffic, pedestrian and bicycle detection based on video image processing for traffic data acquisition, automatic incident detection, intersection management, highways, tunnels and urban applications. Our products are marketed by carefully selected partners including Control Technologies Inc., Kar-Gor, Tacel Ltd. and S&A Supply.
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