

Mid-Colonial District
of the
Institute of Transportation Engineers

2010 Annual Meeting

April 28 – 30, 2010
Embassy Suites
Newark, Delaware





2010 ITE Mid-Colonial District Annual Meeting

CONFERENCE INFORMATION

Hotel Reservations

Embassy Suites Hotel Newark/Wilmington South

654 S. College Avenue
Newark, DE 19713
302-368-8000

Reserve your room before April 7th

Group rate per night for 4/28 & 4/29

Single or Double: \$126 plus tax
Check in time: 3:00 pm
Check out time: 12:00 noon

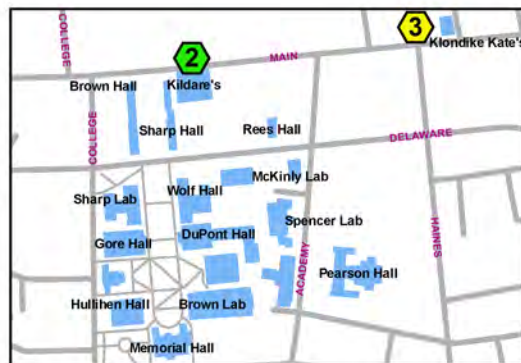
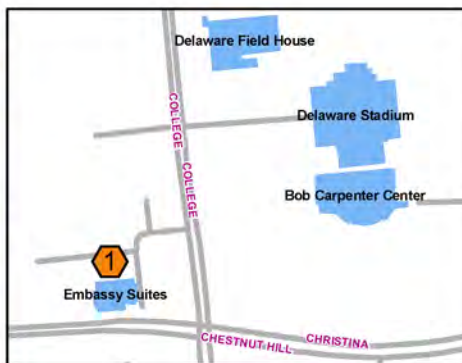
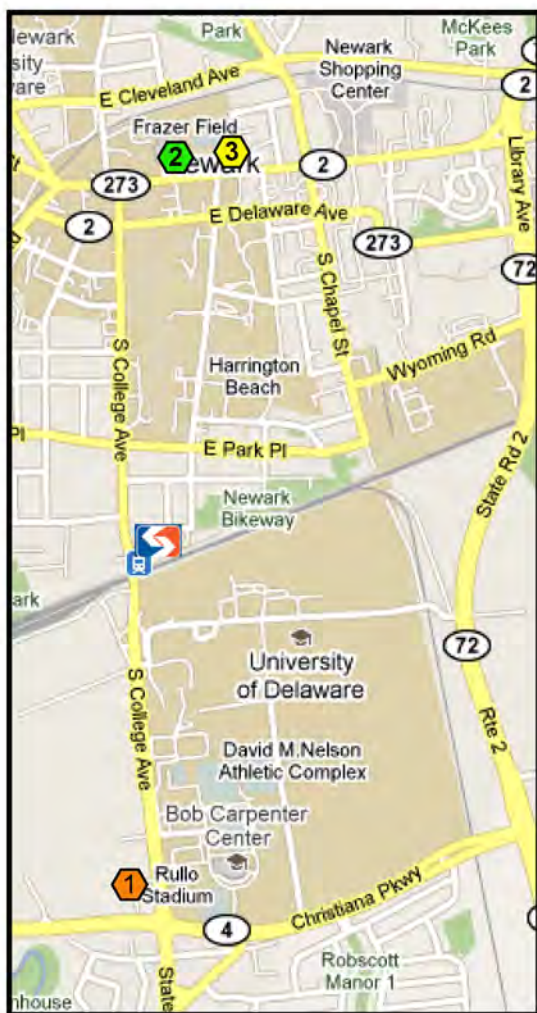
Directions

Amtrak/SEPTA

Take the Amtrak Northeast Regional Line or the SEPTA R2 Regional Rail Line to Newark Station. Then take the DART Bus Route #16 (or walk) south along S. College Avenue for approximately 1/2 mile. Embassy Suites Hotel will be on your right-hand side.

Driving

From I-95, take exit 1A/1B (DE Route 896 North) towards the University of Delaware/Newark. Follow DE Route 896 (S. College Avenue) North for approximately 1 mile. After crossing through the signalized intersection with DE Route 4 (Christiana Parkway), Embassy Suites Hotel will be on your left-hand side.



1 Embassy Suites
654 South College Avenue
Newark, DE 19713

2 Kildare's Irish Pub (Wednesday Happy Hour)
45 East Main Street

3 Klondike Kate's (Thursday Traffic Bowl)
158 East Main Street

 SEPTA/Amtrak Newark Station
429 S. College Avenue



Schedule

	Wednesday April 28th			Thursday April 29th		Friday April 30th				
7:30 AM				Continental Breakfast 7:30AM - 8:30AM		Continental Breakfast 7:30AM - 8:30AM				
8:00 AM				Keynote Speaker: Carolann D. Wicks, P.E. Secretary of the Delaware Department of Transportation		Keynote Speaker: Patrick T. Harker, PhD President of the University of Delaware				
8:30 AM				Exhibit Area Open 9:00AM - 5:15PM	Session 1A 9:00AM - 10:30AM	Session 1B 9:00AM - 10:30AM	Exhibit Area Open 9:00AM - 12:30PM	Session 5A 9:00AM - 10:30AM	Session 5B 9:00AM - 10:30AM	
9:00 AM					Break & Exhibits 10:30AM - 10:45AM			Break & Exhibits 10:30AM - 10:45AM		
9:30 AM					Session 2A 10:45AM - 12:15PM	Session 2B 10:45AM - 12:15PM		Session 6A 10:45AM - 12:15PM	Session 6A 10:45AM - 12:15PM	
10:00 AM					Lunch 12:15 - 1:45PM			Free Time		
10:30 AM					Session 3A 1:45PM - 3:15PM	Session 3B 1:45PM - 3:15PM	Amtrak Tour 12:30PM - 3:00PM			
11:00 AM					Break & Exhibits 3:15PM - 3:45PM					
11:30 AM	Session 4A 3:45PM - 5:15PM	Session 4B 3:45PM - 5:15PM								
12:00 PM	Free Time									
12:30 PM	Welcome Reception (Kildare's Irish Pub)							Traffic Bowl & Happy Hour (Klondike Kate's) <i>shuttle leaving hotel at 5:30PM</i>		
1:00 PM	Golf Outing 1:00 - 6:00PM	MUTCD 2009 Workshop 1:00PM - 5:00PM						HCM Workshop 1:00PM - 5:00PM		
1:30 PM										
2:00 PM										
2:30 PM										
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9:00 PM										
9:30 PM										

Registration will be open throughout the conference on Thursday and Friday. PDH's will be available for all technical sessions and possibly both workshops.



2010 ITE Mid-Colonial District Annual Meeting

Activities

Golf Outing

Wednesday, April 28, 1:00 pm - 6:00 pm

Registration is due by April 14th

The Golf Outing will be held on Wednesday, April 28, 2010 at [Deerfield Golf Club](#). All participants will receive a box lunch, greens fees, cart and drink tickets. The outing will start at 1:00 pm. The cost of the outing is \$65. Register yourself or your 4-person team. Prizes will be awarded to the following: 1st place team, 2nd place team, closest to the pin, and longest drive. Oh, and you can leave your tie at home. Please contact Christopher Peduzzi at cpeduzzi@amtengineering.com for any questions.

MUTCD 2009 Workshop

Wednesday, April 28, 1:00 pm - 5:00 pm

Written by the Federal Highway Administration (FHWA), the Manual on Uniform Traffic Control Devices (MUTCD) 2009 Edition is incorporated into Federal regulations as the national standard for traffic control devices on all public roads and bike paths. The 2009 Edition is now available as a high-quality, printed publication through a cooperative effort between AASHTO, ATSSA, and ITE. This workshop will give you an overview of the changes from 2003 to the new 2009 MUTCD. Make sure you are up to speed on the current guidelines and requirements.

HCM Workshop

Wednesday, April 28, 1:00 pm - 5:00 pm

A forthcoming revision to the Highway Capacity Manual is expected by the 2011 TRB conference, with the final chapters being approved within the next few months. This workshop will be presented by industry professionals involved in the HCM update. The workshop will include an overview of the HCM updates, along with details on signalized intersections, the new urban streets methodologies, and freeway updates (including new weaving technology and closely spaced interchanges).

Welcome Reception

Wednesday, April 28, 6:00 pm

Come join us Wednesday night at 6PM for happy hour at Kildare's Irish Pub on the historic Main St in Newark, DE. Drink specials include \$2 select drafts as well as \$3 well drinks. Food will be provided. For more information, contact Tim Reilly at tim.reilly@aecom.com or visit www.kildarespub.com.

Traffic Bowl & Happy Hour

Thursday, April 29, 6:00 pm

Teams will compete in a "Jeopardy" style trivia game, ringing in to answer a series of traffic related questions; some technical in nature, and others will include ITE and local District/Section trivia, traffic history, pop culture, etc. The cost to participate in the traffic bowl is included in the general registration fee. Free shuttle to/from hotel.

This year we will begin a new tradition, crowning an ITE Mid-Colonial District Collegiate Traffic Bowl Champion. Student teams will compete head-to-head for the chance to represent the Mid-Colonial District in the ITE Collegiate Traffic Bowl competition at the 2010 ITE Annual Meeting in Vancouver, BC, Canada. Undergraduate and graduate students currently (1) enrolled in their respective university and (2) members of ITE are eligible to participate. Note that travel grants will be available from ITE Headquarters to assist the winning team in their travel expenses to the ITE Annual Meeting in Vancouver, and ITE will provide complimentary student registrations to the ITE Annual Meeting for the Mid-Colonial District winning team.

We also want our non-student teams to continue to participate, so be sure to register your teams as well. All participants will receive a free T-shirt. The Collegiate Traffic Bowl winner will receive a plaque, while the Non-Student Traffic Bowl winner will receive the coveted ITE Mid-Colonial District Traffic Bowl Trophy!

We will also need a rowdy crowd to cheer on the teams, so don't miss this great networking event!

Please forward your completed form or any questions to Nicole Kline at McMahon Associates, Inc. at nicole.kline@mcctrans.com.

Amtrak Tour

Friday, April 30, 12:30 pm - 3:00 pm

Amtrak's Wilmington Shops have been in use for nearly 100 years providing maintenance and service to originally the Pennsylvania Railroad's fleet of electric locomotives and now to the modern day fleet of Amtrak Northeast Corridor trains, including the Acela train sets. The tour of the facility will show how maintenance is performed on these very large and complex machines, from minor repairs to complete overhauls. The facility is located in Wilmington DE just off the 12th Street exit of I-495. Tour participants will be responsible for their own transportation and directions will be provided.



Technical Sessions

Thursday 9:00 am - 10:30 am

1A - Work Zone Management

James D. MacKay, P.E., AECOM (PA)

Senior Traffic Engineer
Work Zone Emergency Vehicle Conflict Warning System

Eric Tabacek, Maryland SHA (MD)

Division Chief, Office of Traffic and Safety
Maryland's Automated Speed Enforcement Program

Richard Hawthorne, P.E., FITE, ATCS PLC (VA)

Senior Project Manager
Case study of a multi-disciplinary Transportation Management Plan: The Virginia I-495 HOT Lanes

1B - Comprehensive Planning

Randy Waltermeyer, Chester County Planning Commission (PA)

Transportation Planner
Land Use & Transportation Impacts of the Exton Bypass

Brian St. John, P.E., PTOE, McCormick Taylor, Inc. (PA)

Transportation Engineer
GIS In A Comprehensive Master Plan

David Whyte, P.E., Kimley-Horn & Associates, Inc. (VA)

Senior Transportation Engineer
Multimodal Transportation Planning and Analysis for Major Redevelopment along the US 1 Corridor in Crystal City and Potomac Yard in Arlington and Alexandria, VA

Thursday 10:45 am - 12:15 pm

2A - Freeway Operations

Mark Magalotti, P.E., Trans Associates (PA)

Founder and Principal-In-Charge
Freeway Ramp Management In Pennsylvania As A Tool To Address Freeway Congestion

Ruihua Tao, Ph.D., P.E., Maryland SHA (MD)

Research Engineer, Office of Traffic & Safety
Ramp Metering Study In Maryland

Brian DePan, E.I.T., Jacobs Engineering Group (PA)

Traffic/ITS Specialist
Achieving Integrated Management on the Schuylkill Expressway Corridor in Southeastern Pennsylvania

2B - What's New In Capacity Analysis?

Reza Taromi & Dr. Ardeshir Faghri, University of Delaware (DE)

Department of Civil and Environmental Engineering
Level of Service Estimation Based on Travel Time

Jamie Parks, AICP, Kittelson & Associates (MD)

Transportation Planner
Applying the Highway Capacity Manual 2010 and Highway Safety Manual in a Real-World Setting - NoMa Transportation Plan Case Study

Dan Goldfarb, P.E., Cambridge Systematics, Inc. (MD)

Senior Transportation Planner
What's Old is New -- An Application of Critical Lane Analysis in Determining the Infrastructure Phasing for the Redevelopment of Tysons Corner, Virginia

Thursday 1:45 pm - 3:15 pm

3A - Safety

George Small, Maryland SHA (MD)

Assistant District 6 Engineer - Traffic
Runaway Truck Detection

Srinivas Mandavilli, Indique Solutions, Inc. (VA)

Roundabout Safety

Industry Leader Invited

Non-Recurring Congestion

3B - Data Collection

Marie Pantalone, P.E., PTOE, KMJ Consulting, Inc. (PA)

Senior Traffic Engineer
Evaluation - Using Bluetooth to Determine Travel Times

William Stoeckert, Stacy Unholz, Richard Dye & Stanley Young, KMJ Consulting, Inc. (PA)

Transportation Planners
The I-95 Corridor Coalition's Vehicle Probe Project – Theory, applications and validation

Wes Guckert, PTP, The Traffic Group, Inc. (MD)

President, Transportation Planner
Origin and Destination Studies – A Brief History



Technical Sessions

Thursday 3:45 pm - 5:15 pm

4A - New Concepts In Geometric Design

Keith A. Riniker, P.E., PTOE,
Sabra, Wang & Associates, Inc. (MD)

Associate, Senior Traffic Engineer
Folded Lefts Interchange

Gilbert Chlewicki, P.E., Dewberry (MD)
Senior Transportation Engineer & Planner
*Why States are Converging to the Diverging Diamond Interchange
(Especially in These Rough Economic Times)*

Thomas J. Hannan, P.E., PTOE,
Senior Vice President, **Whitman Requardt & Assoc., LLP (DE)**
I-95 Toll Plaza

4B - Simcap

David B. Roden, P.E., AECOM (VA)
Senior Consulting Manager
Best Practices: Micro-Simulation Models

Wolfgang Scherr, Senior Transportation Engineer &
Christopher M. Puchalsky, Manager
Office of Modeling & Analysis, **DVRPC**
*Modernization and Improvement of DVRPC's New Regional
Travel Model*

Ram Jagannathan, VHB, Inc. (VA)
Senior Transportation Engineer/ Project Manager
Alternative Intersections Selection Tool

Friday 9:00 am - 10:30 am

5A - Hot Topics In Tolling

PJ Wilkins, DeIDOT (DE)
Toll Operations Manager

Timothy M. Scanlon, Pennsylvania Turnpike (PA)
Traffic Engineering Manager

Additional Regional Toll Leaders Invited

5B - Green Innovations

Amir Shahapar & Dr. Ardeshir Faghri,
University of Delaware (DE)
Department of Civil and Environmental Engineering
*Emission and Life Cycle Cost Analysis of Alternative Fuel
Buses for Public Transportation: A Case Study of the Delaware
Authority for Regional Transit*

Stanley E. Young, Ph.D., University of Maryland (MD)
Center For Advanced Transportation Technology
*Modern Personal Rapid Transit: An Old Idea Revisited at
Heathrow*

Josh Smith, P.E., PTOE
Sabra, Wang & Associates, Inc. (MD)
Project Manager, Traffic Engineering
*C Street, NE: Analyzing a Road Diet for a Multi-Modal Green
Urban Boulevard in the District of Columbia*

Friday 10:45 am - 12:15 pm

6A - Signals

Ziad A. Sabra, Ph.D., P.E., PTOE & Venkata Nallamothu, E.I.T.
Sabra, Wang & Associates, Inc. (MD)
Traffic Engineers
*Balancing Safety and Capacity in an Adaptive Signal Control
System*

Gene S. Donaldson, DeIDOT (DE)
TMC Operations Manager
*Implementation of Traffic Responsive Signal Systems in
Delaware*

Kevin Lee, P.E., Kittelson & Associates, Inc. (MD)
Traffic Engineer
Regional Traffic Signal Operations Programs

6B - Land Use & Transportation Forecasting

Florence Ngai, PTP, Systra Mobility (PA)
Lead Engineer
*An Application of Dynamic Trip Assignment to Prepare O-D
Trip Data for Traffic Micro-Simulation Model*

Nathan Mosley, E.I.T., Shropshire Associates, LLC (NJ)
Project Consultant
Condotel Development in Wildwood, NJ

Mike A. Perrotta, P.E., AECOM (MD)
Planning Supervisor - MD/ DC Metro District - AECOM
*The Significance of Proper Land Use Coordination Within
Multimodal Corridor Studies - Case: Dulles Metrorail Extension*



Keynote Speaker Thursday, April 29th



Carolann D. Wicks, P.E.
Secretary, Delaware Department of Transportation (DeIDOT)

Carolann D. Wicks is the eighth Secretary of the Delaware Department of Transportation (DeIDOT). Prior to her nomination as Secretary she served in several leadership roles and most recently as the Chief Engineer for the department and Director of Transportation Solutions where her primary responsibilities included the timely delivery of the State Capital Transportation Program from project development and design through construction. Carolann began her illustrious career at DeIDOT more than 27 years ago. Now as Secretary she is responsible for providing a safe, efficient and environmental sensitive transportation network. This includes the capital program, managing statewide transit services, motor vehicle services and the maintenance and operation of 90 percent of Delaware's transportation system. DeIDOT employs over 2600 transportation professionals to achieve these goals.

Most recently Secretary Carolann Wicks was designated as the 2008 - 2009 President for the Northeast Association of State Transportation Officials (NASTO). Chartered in 1924, NASTO is one of four regional groups that make up the nationwide American Association of State Highway Officials (AASHTO). Secretary Wicks is also the Chairperson for AASHTO's Subcommittee on Geometric Design, serves on the AASHTO Transportation and Education Management Institute Steering Committee as part of her AASHTO responsibilities. Carolann has received: the Eugene E. Abbott Award for excellence in Transportation Planning; the department's highest honor, AASHTO's Alfred E. Johnson award for excellence in Engineering and Management; the Outstanding Alumnus Award and the Presidential Citation for Outstanding Achievement from the University of Delaware, and the Woman in History Award presented by the Business and Professional Women/Dover Chapter. In addition, she has the honor of serving as an executive board member for the Diamond State Port Authority and is a member of the American Association of State Highway Engineers (ASHE).

Carolann received her education from the University of Delaware; graduating with a B.S in Civil Engineering in 1982, and a M.S. in Public Administration in 1990. She became a licensed Delaware Engineer in 1987, and she currently resides in Townsend, Delaware with her husband Ken, and their daughter Anna.



2010 ITE Mid-Colonial District Annual Meeting

Keynote Speaker Friday, April 30th



Patrick T. Harker, PhD
President, University of Delaware (UDel)

Dr. Patrick T. Harker is the 26th president of the University of Delaware, a position he assumed in July 2007. Concurrent with his appointment as president, Dr. Harker was appointed professor of Business Administration in the Alfred Lerner College of Business and Economics and a professor of Civil and Environmental Engineering in UD's College of Engineering.

In May 2008, Dr. Harker unveiled UD's Path to Prominence™, a sweeping strategic plan predicated on an intellectually stimulating undergraduate experience, excellence in research and in graduate and professional education, environmental leadership, global engagement and service to the community.

Dr. Harker is a trustee of the Goldman Sachs Trust and the Goldman Sachs Variable Insurance Trust, a member of the board of directors of Pepco Holdings, Inc. and a founding member of the board of advisors for Decision Lens, Inc. Previously, Dr. Harker served as a member of the board of managers of the Goldman Sachs Hedge Fund Partners Registered Fund LLC, a member of the advisory board of Juniper Bank and chair of the Scientific Advisory Board of Traffic.com, Inc.

Dr. Harker's nonprofit leadership includes service as a member of the boards of Christiana Care Health Systems, First State Innovation, Catholic Relief Services and Easter Seals of Delaware. He is a member of the Regional Leadership Initiative Steering Committee at the Council on Competitiveness, and a trustee of Howard University. He is also a founding member of the Board of Directors of the National Leadership Roundtable on Church Management.

Dr. Harker received his B.S.E. and M.S.E. in Civil Engineering in 1981, and an M.A. in Economics and a Ph.D. in Civil and Urban Engineering from the University of Pennsylvania in 1983.

Dr. Harker became the youngest faculty member in Wharton's history awarded an endowed professorship when he was named the UPS Transportation Professor of the Private Sector in 1991. In 1994, Dr. Harker was named chair of the Department of Systems Engineering in Penn's School of Engineering and Applied Science and held this position until 1996.

In his 26-year career, Dr. Harker has published or edited nine books and more than 100 professional articles. Most recently, Dr. Harker is engaged in the analysis of the operations and economics of the service sector. From 1996–99, he served as editor-in-chief of Operations Research, the premier journal in the field.

In June 1991, President George H.W. Bush named Dr. Harker a White House Fellow, one of 16 chosen nationwide. In this position, he served one year as a special assistant to the director of the FBI.

Dr. Harker is married to the former Emily Grace Saaty and is the father of three children: Thomas Patrick, Michael Francis and Meghan Emma.

2010 ITE Mid-Colonial District Annual Meeting



Please send your completed form to Cindy McCormick via Fax (610) 621 2001, mail (see below), or email cindy.mccormick@ssmgroup.com

Registration Form

Name: _____
 Company: _____
 Street Address: _____
 City: _____ State: _____ ZIP Code: _____
 Phone: () _____
 E-mail: _____

Registration Fee

	On or Before April 9th		After April 9th		
	Full	Thurs. Only	Full	Thurs. Only	
Member	\$95	\$75	\$115	\$95	_____
Non-Member	\$110	\$75	\$130	\$95	_____
Agency/University Staff	\$65	\$50	\$65	\$50	_____
Student		\$15		\$15	_____
HCM Workshop (Wednesday, 4/28/09)					\$15 _____
MUTCD Workshop (Wednesday, 4/28/09)					\$15 _____
Golf Outing <i>includes box lunch, greens fees, cart and drink tickets</i>					\$65 _____
Friday AMTRAK Tour					\$15 _____
					TOTAL

Thursday Night Traffic Bowl & Happy Hour Will you be attending? Yes No

Golf Outing Team Members **2.** _____
 Wednesday, 4/28/09 (optional) _____
 RSVP by 4/14/09 **3.** _____
4. _____

PDH's will be available for all technical sessions and possibly each workshop.

Please send your payment in the form of a check made out to "ITE District 2" to:

Cindy McCormick
 SSM Group
 1047 N. Park Rd, PO Box 6307
 Reading, PA 19610-6307

General Inquiries:

Holly Rybinski
Meeting Chair

Holly.Rybinski@aecom.com

Traffic Bowl - Thursday April 29

To sign up as an individual or part of a team, please e-mail Nicole Kline at nicole.kline@mcctrans.com. All participants will receive a free T-shirt!