Overland Bridge Project
Driving production piles for the Southbound Collector/Distributor fly-over exit ramp, Jacksonville, FL
See page 26

Tennessee Builds Nation’s First Traffic Incident Management Facility
See page 6

2015 ASHE National Conference Details and Registration
See page 16
I hope this edition of the spring scanner brings everyone some much-needed warmer weather after a long winter for many of us. The preparation of my final President’s message was a challenging assignment for me as I reminisced about the late-night speech writing, camaraderie and many other memorable experiences from the National, Regional and Section levels of the organization over the past nine months. As I stated in my opening message in the summer 2014 edition, as a volunteer-based organization we will continue to enhance our success by working together with ASHE as a whole entity, not as individual parts, in order to tackle challenges that lie ahead. Through my travels this year, I have seen firsthand how an organization, open to the ideals of many, can make a significant contribution to the highway industry when we collaborate to preserve the vision, mission and values of ASHE.

I am proud to have worked with so many professionals whose contributions did not go unnoticed at the Executive, National and Regional Board levels. The organization also benefited from the integration of “future leaders” who also made a significant contribution at the National Board level. This year we continued to build on the momentum created by my predecessors and focus our energy and resources toward meeting many strategic goals.

At the January meetings in Nashville, TN, we engaged in discussions with the Executive Committee, Regional Directors and National Board to advance several important initiatives, including:

- Continued development of strategies to execute SWOT Action Items 1-7
- Production/distribution of new materials prepared by the Public Relations (PR) committee
- Adoption of a PowerPoint presentation and related promotional materials to increase awareness about renewing the Highway Trust Fund
- Collaboration between the New Sections, Partnership, Member-at-Large and PR Committees
- Certification with the Registered Continuing Education Program (RCEP); ASHE will continue to use the IACET guidelines but not the logo.
- Establishment of new strategies to rejuvenate the Circle City and Gold Coast Sections

We made a concerted effort to share highlights from our quarterly National Board meetings, and we hope the membership sees the value in this. Improving internal and external communications was a central theme in advancing these initiatives.

In this edition, I want to focus on the efforts of the New Sections Committee, specifically the “out of the box” methods used in the start-up of the ASHE Dallas-Fort Worth (DFW) Section. In November 2014, I received an inquiry regarding the formation of an ASHE Section in Texas. Jennifer Yoder, a practitioner in the business development field and a recent transplant from the Northeast Florida Section, was surprised that the Lone Star State did not yet have an ASHE Section. Seeing an opportunity to share the benefits of ASHE, she set out to organize a forum and introduce the Dallas-Fort Worth metroplex to the organization. The goal was to charter a new Section in three months, following a kickoff meeting in February. Jen assembled a core group of individuals with an interest in championing the Section from its inception in late 2014 to a tentatively scheduled chartering ceremony in May 2015.

Work began in earnest to secure company sponsorships and subsidize the cost of the introductory meeting, while providing seed money to support the new (continued on page 15)
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34 Advance ITS Technology Improves Safety

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I-95 Overland Bridge Replacement Project Improves Capacity and Safety
ASHE Northeast Florida Section
See page 26
As I write this, the Northeast is still experiencing cold temperatures and far too much snow for the first week of March. But even though it’s not time to get out the golf clubs, we’re hoping those warmer spring temperatures are getting much closer.

With the summer issue, ASHE should be ready to unveil an electronic edition of the scanner. We are still working out details, but in June we hope to let you know how to sign up for this new mode of delivery. If you like what you see online, you can opt out of receiving a paper copy and choose to get the scanner electronically. Watch for more information in upcoming months.

In our fall edition I mentioned that ASHE would add a job bank to our website. Although this is not available just yet, I’ve directed companies to LinkedIn to post their jobs. I still hope the job bank will be available in the near future; for now, check LinkedIn/ASHE for postings. When the job bank goes live, we’ll send emails to let you know when you can post jobs to the website.

You’ll find our National Conference information in the center of this issue, where you can also register to attend, using the paper application. This year we’ll meet at the Inner Harbor in Baltimore, Maryland, and if you’ve never been there, you won’t want to miss this conference. It’s a great place to take your family, with an abundance of history, sightseeing, and restaurants.

Have a great spring. We hope to see you in Baltimore at the National Conference!  

John Hetrick P.E.

John

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Research has shown that up to 25 percent of delays experienced on roadways today are a result of traffic incidents. Traffic Incident Management Training has a direct impact on the safety and efficiency of the transportation system. Tennessee led in supporting Traffic Incident Management by building the nation’s first training facility for the simulation of live, full-scale traffic incidents.

The story of the facility began in June 2012, when a transportation and public safety summit was held in Washington, DC. Sponsored by the U.S. Department of Transportation, the summit was attended by senior executive-level leadership from law enforcement, fire and emergency medical services and transportation agencies from across the nation. The Tennessee Department of Transportation’s (TDOT) Chief Engineer Paul Degges and the Tennessee Highway Patrol’s (THP) Colonel Tracy Trott were at the summit, which focused on enhancing the practice of Traffic Incident Management (TIM) nationally. The group of approximately 52 executives endorsed the deployment of a multidisciplinary TIM responder training course developed by the Strategic Highway Research Program (SHRP2).

The TDOT had been involved in the pilot phase of the SHRP2 TIM responder training. Working together to facilitate TIM responder training sessions, the THP and TDOT have supported the professional development of over 2,750 Tennessee first responders and stimulated coordination across Tennessee to support the quick clearance of traffic incidents.

After the first SHRP2 TIM Training Session in Tennessee, a discussion took place at the THP Training Academy off Stewarts Ferry Pike in Nashville. Lt. Colonel Dereck Stewart, Captain Don Nicholson and Colonel Trott talked about building a TIM-focused facility at that location to conduct live, full-scale training exercises.

On February 5, 2013, the THP presented a proposal to build a TIM Training Facility to the FHWA and TDOT at the statewide TIM Coordinating Committee meeting. The proposal included a 400-foot section of Interstate standard roadway, a combination of cable and jersey barrier rail, typical steel guardrail sections and a paved staging zone. The site was an eight-acre property adjacent to the THP Training Academy. The proposal received support from the Committee, and the concept was presented by the THP to TDOT Commissioner John Schroer.

TDOT received funding for the construction of the facility from the FHWA through the Highway Safety Improvement Program. The majority of the design and engineering work was performed by in-house TDOT forces. The TDOT design team focused on maximizing the topography and geometry of the existing site to support the simulation of as many traffic incident scenarios as possible.

(continued on page 8)
Incident Management Training Facility

The final design of the TIM training facility included:

- Approximately 1,500 feet of simulated roadway with multiple lane transitions, cross-section changes and points of curvature
- Connector access to facilitate the circulation of traffic flow during training
- An Interstate ramp terminal staging area
- Full four-leg intersection with multiple signing options
- 100 feet of portable barrier rail
- 100 feet of guardrail
- 300 feet of cable barrier
- Full pavement markings
- Enhanced reference markers signage

Simulated incident staged during ribbon cutting event on October 30, 2014
Tennessee Builds Nation’s First Traffic Incident Management Training Facility (continued from page 6)

The contract to build the training facility was awarded in June 2014 at $921,025.05 to LoJac Enterprises, Inc., with a completion date set for September 30, 2014. Construction started at the project site June 9 and continued through the summer. TDOT leveraged the TIM project site for a FHWA Every Day Counts Intelligent Compaction research project with the University of Tennessee. The contractor completed final striping on the site approximately three weeks ahead of the scheduled completion date.

At the site October 30, 2014, the THP and the TDOT held a ribbon cutting, attended by TIM professionals from Tennessee and across the country. This event also included the staging of a simulated traffic incident. The site was dedicated to the memories of first responders killed in the line of duty, and a commemorative sign was unveiled with the names of those THP and TDOT employees.

The Tennessee Traffic Incident Management Training Facility represents the first step in the institutionalization of TIM as a professional discipline in Tennessee. The site will be used to create a TIM training program for all first responder stakeholders. Other states have expressed interest in building such sites.
Transportation is key to America’s economic future. Parsons Brinckerhoff is proud to partner with local, state and federal transportation agencies in planning, designing, and managing transportation infrastructure that connects communities from coast to coast.

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The ASHE Potomac Section was chartered October 25, 1989, assisted by Dave Greenwood of the ASHE Chesapeake Section (Baltimore), who served on the National Board’s New Sections Committee. (Dave now serves on the National ASHE Board as a Director from the Mid-Atlantic Region.) The ASHE Potomac Section, representing the Washington, DC, metropolitan area, celebrated its 25th anniversary in 2014. As a two-time winner of ASHE National’s Gene G. Smith Award (largest percentage of membership increase) for 2003 and 2014, the Section is also a six-time winner of ASHE National’s George K. Hart Award (largest number of new members) for 1991, 1992, 1995, 1997, 2003 and 2014.

Two of the Section’s members have served on the ASHE National Board: Michael (Mike) Martin, PE, AICP - first National Director for Zone 7 (VA) from 1990 to 1998, Potomac Section President for the 1990-1991 term and, since 2012, one of the National Directors for the Mid-Atlantic Region, Ronald Purvis, PE - National Director for Zone 7 (VA), Potomac Section President for the 1994-1995 term and ASHE National President for the 2005-2006 term. Other members serving on the ASHE Mid-Atlantic Regional Board include Robert Reed, Regional Vice President, and Anand Patel, Section Region Director.

The Potomac Section helped develop an annual regional technical conference, and held its meetings at P.J. Skidoos in Fairfax, VA, for 24 years before moving the gatherings to the Country Club of Fairfax in the 2014-2015 season.

Section members hold eight meetings from September to May each year. Speakers at the meetings have included the Virginia Department of Transportation (VDOT) Commissioners, the Chief Engineers and the Location and Design Engineers. The Section has also had local government participation from Fairfax County, Prince William County and the District of Columbia. Presentations have highlighted projects of national and regional interest, such as the “Big Dig,” expansion of the Washington Metropolitan Area Airports and the I-495 Express Lanes Project. Since 2012, the Section has held its fall meeting at the VDOT Northern Virginia District headquarters.

(continued on page 13)
SWATARA CREEK BRIDGE REPLACEMENT
Dauphin County, PA

North Mid-Atlantic Offices:
Iselin: 33 Wood Avenue South, Suite 830, Iselin, NJ 08830
Mount Laurel: 330 Fellowship Road, Suite 101, Mount Laurel, NJ 08054
Philadelphia: 1601 Market Street, Suite 1020, Philadelphia, PA 19103

For more information, contact Lissette Miquel, PE, Senior Vice President, North Mid-Atlantic Region at lmiquel@haks.net or cell (732)540-4087 or Charles A. DiCello, PE, Assistant Vice President, Philadelphia at cdicello@haks.net or cell (267)559-1801

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ASHE Potomac Celebrates 25 Years
(continued from page 10)

Spring field trips have included the Woodrow Wilson Bridge, the I-95/395/495 Springfield Interchange, the Inter-County Connector or Turner-Fairbank Highway Research Center. The Section also sponsors a Washington Nationals baseball game in the summer and hosts gatherings to encourage younger members’ participation in ASHE. It has supported the Marines’ Toys for Tots campaign during holiday seasons and contributed to local charities.

“Gold Sponsors” have helped the Section provide a scholarship to students in civil engineering or transportation-related studies. Initially set at $2,500, this amount was increased to $3,000 for 2013 and $3,500 for 2014. To support the scholarship, the Section’s golf tournament, first held at Bull Run Golf Course in Haymarket, VA, on April, 2011, has become an annual event. With the loss of President Steve Evans in March 2013, the scholarship was named in his memory.

Members of the ASHE Potomac Section, rooted in the professional community, provide their program of activities to a growing membership. ASHE members from across the country are invited to visit the Section’s website at http://potomac.ashe.pro and join their meetings when visiting the Washington, DC, area.
Online Apparel & Merchandise Store

As a member of ASHE, you have access to an amazing online resource: The ASHE Online Apparel & Merchandise Store.

This store offers branded, logo’d merchandise that celebrates your membership, looks fantastic and is easy to order at the click of a button. Sign on today and look to see all the great items available:

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Section activities. The Society for Marketing Professional Services (SMPS) partnered with ASHE to lead this first Annual Transportation Forum. Several other partner organizations, including American Council of Engineering Companies (ACEC), American Public Works Association (APWA) and Advancing Women in Transportation (WTS), aided in the success of this new ASHE Section.

A format, similar to the December 2014 ASHE kickoff meeting in Denver, CO, was developed for the introductory meeting. This included having a prominent speaker to anchor the Transportation Forum and attract a transportation-industry audience for an ASHE introductory presentation by the National President. The Forum was further enhanced by a panel discussion composed of a Texas DOT District Engineer, the Arlington Mayor Pro Tempore and the Chair of the Transportation Advocates of Texas. More than 125 people attended the morning session and provided much positive feedback. Jen Yoder also organized a forum and engaged the audience with their smartphones.

All attendees received a “Why Join ASHE?” handout that included an abbreviated membership form prepared by our PR Committee. Several prospective members completed the forms on the spot, thus adding to a core group of transportation professionals who will comprise the new ASHE DFW Section. Jen and her ASHE DFW core group are maintaining the momentum following the February 19th introductory meeting by extending the reach to both public entities and private consultants. More information on the DFW Section can be found on facebook.com/ashedfw or by contacting Jen directly at jyoder@jrbengineering.com. We are also pleased to have had Adam Jack, current Greater Hampton Roads Section member and a resident of Beaumont, TX, in attendance. His involvement, particularly from a TXDOT perspective, has been invaluable, and with the success of ASHE DFW, could lead to a second Texas Section start-up in the Houston-Beaumont Texas area!

The New Sections Committee has continued its efforts in Denver, CO, and Hartford, CN, and hopes to be planning charter ceremonies in the near future. The committee will document this and other New Section start-up experiences to let others know that ASHE National has many resources available to ensure a successful experience.

This spring edition of the scanner includes a full itinerary for the 2015 National Conference and registration form for the event in Baltimore, MD, May 27 to 31. The Conference Committee from the Chesapeake Section has worked over the past three years to host an event that will be beneficial to our members. Please consider attending this year’s Conference and making it a family destination or vacation. My family visits Baltimore’s Inner Harbor and Little Italy section a couple times each year; this area is an amazing venue for the Conference and will provide a great experience for attendees.

I wish the best to incoming National President Bob Hochevar, PE, in his endeavor to lead this organization when I pass the gavel to him in May. Bob hails from the Cuyahoga Valley Section, has been an ASHE member for the past 27 years and is no stranger to serving ASHE in a leadership capacity from the Section, Region and National levels. Bob, Larry Ridlen, National Second Vice President, and I have worked together to ensure a collaborative effort from everyone before any initiative or change is introduced, so that the organization has a cohesive and stable leadership. The three of us maintained open communication lines over the past year, and we are proud of the accomplishments and legacy realized under my tenure.

I also extend my appreciation to Dave Jones, who is stepping down after six years as the National Treasurer. We will miss his leadership, knowledge base and presence on the Executive Committee. In addition, I want to thank Caroline Duffy, George Willis and Michael Martin for their respective contributions as they step down from the Board of Directors.

It has been an honor and privilege to serve as the 56th ASHE National President during a busy year, and I hope the organization has benefited under my leadership. In a few months, I will join the list of past National Presidents and industry leaders who also led this outstanding organization. Though my travel schedule was hectic at times, it was exciting to foster new relationships with current and prospective ASHE members across the United States. I am grateful for the encouragement, words of wisdom and support I received from Past National Presidents, former National Board members, the ASHE membership, my employer, the Naik Consulting Group, and my family during this journey.
Please join us for the 2015 ASHE National Conference. Come and enjoy Baltimore's hospitality and charm. We have planned four action packed days of activities and technical sessions followed by fun-filled, but relaxing evenings. It's fun for the whole family!

Looking forward to seeing you at this year's Conference!
Countdown to the 2015 ASHE National Conference

*Here’s a sneak peek into what you can expect at our 2015 National Conference*

As the winter’s frost slowly begins to dissipate and give way to spring’s arrival, members of the American Society of Highway Engineers’ (ASHE) Mid-Atlantic Region and Chesapeake Section are hard at work preparing for this year’s 2015 National Conference. We welcome you back to Baltimore for this year’s event and plan on having a Conference that will surpass the successful 1993 Baltimore Conference.

The National Conference, held this year at the exciting Renaissance Hotel located in the Inner Harbor in downtown Baltimore, MD, will be buzzing with activity from May 27th through the 31st as Charm City welcomes the arrival of our ASHE members and partners of the highway industry with their spouses, family, and significant others.

Hundreds of industry experts from across the country will have the opportunity to network and build and strengthen professional relationships with one another during our busy four-day schedule.

To make this year’s Conference one of the best events of 2015, we’ve included a wide array of activities and are making sure to include something for everyone. From daily breakfasts, to the technical sessions and project tour, to our golf tournament to be held at one of Baltimore’s nicest courses, The Woodlands, to our guest tours that will give attendees a flavor of all that Baltimore has to offer. This is one event you don’t want to miss!

Attendees can choose from multiple technical sessions scheduled for Friday and Saturday (anticipated to include topics such as the Tappan Zee project, Transportation Infrastructure and Climate Change, Public Private Partnerships, Vehicle to Vehicle/Vehicle to Infrastructure, Integrating Green Infrastructure, TMP Strategies During Construction, Data Driven Safety Analysis, Industry Ethics, and much more). Attendees also can sign up to have lunch with Past Presidents on Friday and enjoy refreshments with the many exhibitors on Thursday and in between the Friday technical sessions.

Baltimore’s Inner Harbor offers more to see and do than you can imagine! Get a taste of the city’s savory history by dining at a local establishment in conjunction with the guest tours we have planned such as the B&O Railroad Museum, Baltimore Trolley, Heritage Historic Fells Point, Fort McHenry, and the Babe Ruth Museum/Historic Camden Rail
ASHE is dedicated to providing a forum for members and partners of the highway industry to promote a safe, efficient and sustainable highway system through education, innovation and fellowship. For over 30 years, it’s been our goal to make the annual National Conference a productive and profitable experience for you. This Conference will provide a unique opportunity for exposure to key federal, state and local leaders, as well as key decision makers. We invite you to participate as a sponsor and exhibitor so that your company will be visible to hundreds of transportation experts. We have several packages to choose from that will match your company’s marketing needs and budget. Sign up early so you will not miss out on this opportunity. There are limited packages with first-come, first-served sponsorships.

For more information regarding sponsorship opportunities, contact Leon Kriebel at 410.512.4500 or by email at Lkriebel-ashe@wbcm.com; or visit the Conference website at http://www.2015conference.ashe.pro/sponsors.php to select a sponsorship level.

For more information regarding exhibitor opportunities, contact Dion Ho at 410.891.1760 or by email at Dion.Ho@kci.com. To register as a participating exhibitor, go to http://2015conference.ashe.pro/exhibitors.php

You can also visit our website at http://2015conference.ashe.pro/ for Registration and additional information about the Conference and our host hotel.

We look forward to seeing you at this year’s 2015 National Conference and making it a wonderful transportation and engineering collaboration for you, your family and your organization.
2015 ASHE National Conference
Renaissance Baltimore Harborplace Hotel
Baltimore, Maryland
May 27-31, 2015

REGISTRATION FORM
Register online and get more information at http://2015conference.ashe.pro/

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ASHE MEMBER ASHE SECTION SPEAKER? Past President? NATIONAL BOARD POSITION

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CHECK ONE

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| NON-ASHE MEMBER | $225 | $300 |
| 1 DAY REGISTRATION | $100 | $150 |
| GOVERNMENT EMPLOYEE | $125 | $200 |
| GUEST/CHILD 10 YEARS OLD & OVER | $30 | $30 |

EXHIBITOR (Purchase of an exhibit space includes two full registrations). See details in exhibitor package. Please pay for exhibit booth by check. See exhibit pkg for details. N/C

SPONSOR (Qualifying for free full registration) Please pay for sponsorship by check. See details in sponsorship package N/C

SPEAKER (Qualifies for free registration) N/C

* There is no charge for children under 10 years of age

CONFERENCE REGISTRATION SUBTOTAL $  
GOLF REGISTRATION SUBTOTAL $  
ACTIVITIES REGISTRATION SUBTOTAL $  
GRAND TOTAL $  

◊ Transfer golf registration costs total from Golf Registration Form  
◊◊ Transfer activities registration costs from Attendance and Activities Form

Please register on-line. If not paying on-line: Make checks payable to: Nimish Desai, Treasurer

c/o Parsons Brinckerhoff
100 South Charles Street, Tower 1, 10th Floor
Baltimore, Maryland 21201

Mail this form and check to: Nimish Desai, Treasurer

Note: Hotel reservations must be made by May 6, 2015. Do not delay.
The hotel will release the remaining ASHE rate rooms after that.

Registrants are responsible for booking their own hotel rooms through Baltimore Renaissance Harborplace Hotel directly. For Hotel Reservations:

Baltimore Renaissance Harborplace Hotel  
202 East Pratt Street
Baltimore, MD 21202
(Toll Free): 877-212-5752

More hotel information including on-line reservations via the conference web site: http://2015conference.ashe.pro/lodging.php

Conference Cancellation Policy: ASHE reserves the right to cancel tours, programs, or events if there is insufficient registration or for any other reason. ASHE is not responsible for cancellation charges assessed by hotels, airlines or travel agencies or other losses incurred due to cancellation of tours, programs and or events. Conference refund requests received via on-line registration (website) on or prior to May 13 will be honored, however will be subject to a $20 cancellation fee. NO CONFERENCE REFUNDS AFTER MAY 13th.
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<td>7:00am to 8:30am</td>
<td>Breakfast</td>
<td>Maryland Ballroom/Foyer/Exhibit Area</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:30am to 10:00am</td>
<td>Opening Session</td>
<td>Maryland Ballroom C</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00am to 10:30am</td>
<td>Break (w/ Exhibitors)</td>
<td>Maryland Ballroom/Foyer</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30am to 12:30pm</td>
<td>Heritage Historic Fells Point Tour</td>
<td>Meet in Hotel Lobby</td>
<td>$25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30am to 11:30am</td>
<td>National / Region / Section Officers Meeting</td>
<td>Kent Room</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30am to 11:30am</td>
<td>Technical Session 1A - Engineering Ethics</td>
<td>Maryland Ballroom D</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30am to 11:30am</td>
<td>Technical Session 1B - Florida Matthews Bridge Emergency Repairs Project</td>
<td>Maryland Ballroom C</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30am to 11:30am</td>
<td>Technical Session 1C - Transportation Infrastructure and Climate Change in Alaska</td>
<td>Maryland Ballroom F</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30am to 12:00am</td>
<td>Break (w/ Exhibitors)</td>
<td>Maryland Ballroom</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:00pm to 1:30pm</td>
<td>National Past Presidents/Robert E. Pearson Award Luncheon * (limited to the first 125 people who register for luncheon); 16 yrs or older</td>
<td>Watertable Ballroom</td>
<td>$40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:00pm to 3:00pm</td>
<td>Technical Session 2A - Greening DC Streets: Integrating Green Infrastructure within an Ultra Urban Complete Streets Framework.</td>
<td>Maryland Ballroom D</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Technical Session 2B - Vehicle to Vehicle, Vehicle to Infrastructure (Panel discussion)</td>
<td>Maryland Ballroom C</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Technical Session 2C - Data Driven Safety Analysis Initiative</td>
<td>Maryland Ballroom F</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TIME</td>
<td>EVENT</td>
<td>LOCATION</td>
<td>COST</td>
<td>NUMBER ATTENDING</td>
<td>TOTAL</td>
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</tr>
<tr>
<td>2:00pm to 3:00pm</td>
<td>Past National President's Meeting (past presidents only)</td>
<td>Federal Hill Room</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>2:30pm to 4:30pm</td>
<td>Fort McHenry Tour</td>
<td>Meet in Hotel Lobby</td>
<td>$25</td>
<td></td>
<td>$</td>
</tr>
<tr>
<td>3:00pm to 3:30pm</td>
<td>Break (w/ Exhibitors)</td>
<td>Maryland Ballroom/Foyer</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:30pm to 4:30pm</td>
<td>Technical Session 3A: Effective TMP Strategies During Construction</td>
<td>Maryland Ballroom D</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:00pm to 5:00pm</td>
<td>Technical Session 3B: New York Tappen Zee Bridge Project</td>
<td>Maryland Ballroom C</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:30pm to 5:00pm</td>
<td>Technical Session 3C: Public Private Partnership, PPP (Panel discussion)</td>
<td>Maryland Ballroom F</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4:30pm to 5:30pm</td>
<td>Exhibitors/Hospitality Room</td>
<td>Maryland Ballroom/Hospitality Suite</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6:00pm to 9:00pm</td>
<td>Off-site event - Dinner/Entertainment: Top of the World, World Trade Center * (limited to the first 250 registrants)</td>
<td>Adults</td>
<td>$60</td>
<td></td>
<td>$</td>
</tr>
<tr>
<td>9:30pm to 12:00am</td>
<td>Hospitality Room</td>
<td>Hospitality Suite</td>
<td>n/c</td>
<td></td>
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**SATURDAY, MAY 30, 2015**

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT</th>
<th>LOCATION</th>
<th>COST</th>
<th>NUMBER ATTENDING</th>
<th>TOTAL</th>
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</thead>
<tbody>
<tr>
<td>7:00am to 8:00am</td>
<td>Registration</td>
<td>Maryland Foyer</td>
<td></td>
<td>Use Registration Form</td>
<td></td>
</tr>
<tr>
<td>7:00am to 8:30am</td>
<td>Breakfast (hotel registrants only)</td>
<td>Maryland Ballroom A&amp;E</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>8:30am to 10:30am</td>
<td>Technical Session: Road Usage Charging (Panel Discussion)</td>
<td>Maryland Ballroom D</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:30am to 10:30am</td>
<td>Technical Tour: I-95 Express Toll Lane Project (transportation provided)</td>
<td>Meet in Hotel Lobby</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:00pm to 5:00pm</td>
<td>Hospitality Room</td>
<td>Hospitality Suite</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00pm - 3:00pm</td>
<td>Babe Ruth Museum Tour (transportation provided)</td>
<td>Meet in Hotel Lobby</td>
<td>$25</td>
<td></td>
<td>$</td>
</tr>
<tr>
<td>6:00pm to 7:00pm</td>
<td>President's Reception</td>
<td>Maryland Ballroom/Foyer</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:00pm to 9:00pm</td>
<td>Annual ASHE Banquet / Awards (business attire)</td>
<td>Maryland Ballroom</td>
<td>$70</td>
<td></td>
<td>$</td>
</tr>
<tr>
<td>9:00pm to 11:00pm</td>
<td>Gala Entertainment Party (Comedian Frank DelPizzo)</td>
<td>Maryland Ballroom</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>11:00pm to 12:00am</td>
<td>Hospitality Room</td>
<td>Hospitality Suite</td>
<td>n/c</td>
<td></td>
<td></td>
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</tbody>
</table>

**SUNDAY, MAY 31, 2015**

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT</th>
<th>LOCATION</th>
<th>COST</th>
<th>NUMBER ATTENDING</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00am to 10:00am</td>
<td>Continental Breakfast (hotel registrants only)</td>
<td>Ballroom Foyer</td>
<td>n/c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:30am to 12:00pm</td>
<td>National Board Meeting (National Board of Directors Members only)</td>
<td>Fells Point Room</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:30am to 10:30am</td>
<td>Conference Debrief</td>
<td>Guilford Room</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:00pm</td>
<td>Hotel checkout time</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**ACTIVITIES TOTAL = $**
ADVERTISING & SPONSORSHIP FORM
AMERICAN SOCIETY OF HIGHWAY ENGINEERS
2015 ASHE National Conference, Baltimore, MD
May 27-31, 2015

SPONSORSHIP LEVELS

☐ PLATINUM – $5,500 (Unlimited):
  ✓ Full Page Ad in the Program Book
  ✓ Display Board List
  ✓ Recognition at Functions
  ✓ Listing on the Website
  ✓ 4 Conference Registrations
  ✓ 4 tickets to Past President’s Luncheon
  ✓ 4 Tickets to Friday Night Event
  ✓ 4 Tickets to Saturday Night Banquet

☐ GOLD – $3,500 (Unlimited):
  ✓ ½ Half Page Ad in the Program Book
  ✓ Display Board List; Recognition at Functions
  ✓ Listing on the Website
  ✓ 2 Conference Registrations
  ✓ 2 Tickets to Past President’s Luncheon
  ✓ 2 Tickets to Friday Night Event
  ✓ 2 Tickets to Saturday Night Banquet

☐ SILVER – $2,500 (Unlimited):
  ✓ ¼ Quarter Page Ad in the Program Book
  ✓ Display Board List
  ✓ Listing on the Website
  ✓ 1 Conference Registration

☐ BRONZE – $1,250 (Unlimited):
  ✓ Hole Sponsor
  ✓ Longest Drive Sponsor
  ✓ Closest to the Pin Sponsor

EVENT SPONSORSHIPS

☐ Ice Breaker (Thursday Night) $1,200 (2 Available)
☐ Technical Session Breaks $500 (Unlimited)
☐ Past President’s Luncheon $3,400 (SOLD)
☐ Friday Night Event $3,000 (2 Available)
☐ Technical Tour (Saturday) $500 (2 Available)
☐ Gala Banquet (Saturday Night)$3,000 (1 Available)
☐ Hospitality Room $1,000 (Unlimited)
☐ Lanyards $2,500 (SOLD)

☐ Hotel Room Keys $2,500 (1 Available)
☐ Registration Bag Sponsor $2,000 (SOLD)
☐ Breakfast Sponsor $750 (4 Available)
☐ Beverage Cart Sponsor $500 (1 Available)
☐ Hole Sponsor $200 (16 Available)
☐ Longest Drive Sponsor $250 (1 Available)
☐ Closest to the Pin Sponsor $250 (1 Available)

ADVERTISING - BOOKLETS

☐ Back Cover (Full Page) (SOLD)
☐ Inside Front Cover (Full Page) $1,000
☐ Inside Back Cover (Full Page) $1,000
☐ Full Page $600

☐ ½ Half Page $350
☐ ¼ Quarter Page $250

RESERVE YOUR SPONSORSHIP TODAY

Organization: _________________________________
Point of Contact: _______________________________
Telephone: _________________________________
Email: ______________________________________
Address: ______________________________________
Address 2: ____________________________________
Payment: $___________________________________
Signature: _____________________________________

Please check the appropriate box(es) and return this form and payment to Leon Kriebel no later than March 20th, 2015.
Please make checks payable to: ASHE 2015 National Conference.

ASHE Mid-Atlantic Region
Whitney, Bailey, Cox & Magnani, LLC (WBCM)
Attn: Leon Kriebel
849 Fairmount Ave, Suite 100, Baltimore, MD 21286
Phone 410-512-4500 Fax 410-324-4100 Email: lkriebel-ashe@wbcm.com

Sponsors who commit early will be listed on the website. Remember that all sponsorships are first-come, first-serve...
DON’T MISS OUT!

THANK YOU FOR YOUR SUPPORT!
EXHIBITOR REGISTRATION FOR 2015 ASHE NATIONAL CONFERENCE 
from May 27-31, 2015 in Baltimore, Maryland.

Company Name: ________________________________________________________________

Exhibit Booth Representative Name: ____________________________________________

Company Address: ______________________________________________________________________

City: __________________________________ State: ___________ Zip: ________________

Phone: ___________________ Fax: ___________________ Email: ____________________

Two complementary conference registrations are included in the Exhibitor Registration.

To register all participating exhibitors please visit: http://2015conference.ashe.pro/registration.php

Preferred Booth Number: 1) _______ 2) ________ 3) _________


Every effort will be made to accommodate your preferred booth request.

Payment Information:

Exhibitor Booth Cost: $1,000

Full payment for reserved booths must be received within 30 days. To reserve your space, return this form by mail, fax, or email along with payment made out to: ASHE 2015 National Conference

Mail to:
KCI Technologies
C/O Dion Ho
ASHE 2015 National Conference
936 Ridgebrook Road
Sparks, MD 21152
Fax: 410-316-7900

For additional information contact Dion Ho at 410-891-1760 or by email at dion.ho@kci.com
2015 ASHE National Conference
Baltimore, Maryland
May 27-31, 2015

GOLF OUTING REGISTRATION
The Woodlands Golf Course
2309 Ridge Road
Windsor Mill, MD 21244
Thursday, May 28, 2015
Registration Begins 8:00 a.m. – Shotgun starts 9:00 a.m.

Register online or get more information at http://2015conference.ashe.pro/

Golfers

<table>
<thead>
<tr>
<th>Team Captain</th>
<th>First Name: __________________________</th>
<th>Last Name: __________________________</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Email: ______________________________</td>
<td>Company: _____________________________</td>
</tr>
<tr>
<td></td>
<td>Transportation to/from Course: Y ☐ N ☐</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Golfer Name</th>
<th>First Name: __________________________</th>
<th>Last Name: __________________________</th>
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<tbody>
<tr>
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<td>Email: ______________________________</td>
<td>Company: _____________________________</td>
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<tr>
<td></td>
<td>Transportation to/from Course: Y ☐ N ☐</td>
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</tbody>
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<tr>
<th>Golfer Name</th>
<th>First Name: __________________________</th>
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<tbody>
<tr>
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<td>Email: ______________________________</td>
<td>Company: _____________________________</td>
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<tr>
<td></td>
<td>Transportation to/from Course: Y ☐ N ☐</td>
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<thead>
<tr>
<th>Golfer Name</th>
<th>First Name: __________________________</th>
<th>Last Name: __________________________</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Email: ______________________________</td>
<td>Company: _____________________________</td>
</tr>
<tr>
<td></td>
<td>Transportation to/from Course: Y ☐ N ☐</td>
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</tr>
</tbody>
</table>

Dress Code: Collared shirts and soft spikes are required.

NOTE: Priority will be given up to May 15, 2015 to golf outing foursomes that have at least two conference registrants, or individual golf outing registrants who are also conference registrants. After May 15, 2015, any remaining openings for golf outing will be made available to interested foursomes and individuals not registered for the National Conference based on the chronological order payment is received.

Transportation to the course will be provided from the Renaissance Hotel.
For Golf Hole Sponsorship opportunities please see the ASHE Advertising & Sponsorship Form.

INCLUDES: Continental Breakfast, Beverages, Lunch at the Half and 19th Hole BBQ Blast.
Skill and door prizes will be awarded at the event.

Number of golf registrations ___ x $150 = $_____

◊ Golf Subtotal $_____

◊ Transfer subtotal to the conference Registration form.

Club rentals are available through The Woodlands Golf Course
Call: (410) 887-1349 for pricing and availability. http://www.baltimoregolfing.com/-the-woodlands

For questions contact Adam Gardner – Golf Committee Chair at adam.gardner@KCI.com
The Overland Bridge Design-Build (D/B) project is located along the I-95 corridor between the Fuller Warren Bridge and the San Diego Road Overpass in downtown Jacksonville, FL. The Florida Department of Transportation (FDOT) understood the need to improve the Collector/Distributor (C/D) system and to eliminate multiple “weaving/crossing” movements in this section of I-95. The contract was awarded to the Design-Build (D/B) team of RS&H, Inc., and Archer Western Construction, LLC. Construction began January 14, 2013, and is to continue until 2016. The winning bid was $148.8 million. With the addition of bike lanes and the replacement of the Florida East Coast Railroad Bridge required by the FDOT post award, the project cost is now $160 million.

Along this 2.3-mile interstate corridor, improvements will increase capacity through the addition of a two-lane parallel service, or collector/distributor (C/D) road for both southbound and northbound I-95. In addition to the parallel C/D service roads, the FDOT required the D/B team to include direct access to Atlantic Boulevard from northbound I-95 and a direct flyover connection to Atlantic Boulevard for southbound I-95. The existing alignment had no direct connection to Atlantic Boulevard from northbound I-95, which caused unnecessary traffic on adjacent off ramps. The existing southbound connection to Atlantic Boulevard included a left-hand off ramp from mainline I-95, which caused one of three “weaving/crossing” movements in this heavily traveled section of the I-95 corridor in Jacksonville. A total of 18 bridge structures will be rebuilt and/or widened with this project.

Another primary goal of the project was the inclusion of safety improvements. Under current conditions, access from the Main Street Bridge to Hendriks Avenue creates another “weaving/crossing” motion. This access will be removed, eliminating the most hazardous traffic-mixing zone associated with the merging traffic from the adjacent Acosta Bridge. The access from the Main Street Bridge to Hendriks Avenue will still be available via the Riverplace Drive exit to Prudential Drive and Hendriks Avenue.

Due to the volume of traffic through this corridor, multiple traffic shifts have been required to facilitate progress of the project. Traffic is shifted from the inner travel lanes to outer travel lanes for the majority of the project. Once the new C/D service roads and Atlantic Boulevard connections are completed,
the contractor will shift traffic again to the newly constructed segments of the service roads, to begin demolition of the existing structure and roadway in the median area. As traffic is shifted outward to the new segments of the service roads, the existing structures and roadway in the median area will be demolished and rebuilt.

By December 2014, the contractor had completed the initial phases of the northbound C/D bridge work and the expansion of the southbound C/D bridge work over Hendricks Avenue to Montana Avenue. Construction of Mechanically Stabilized Earth (MSE) walls continues throughout the project footprint. In the areas where MSE walls have been completed on the southbound and northbound C/D, the contractor has shifted traffic toward the outer lanes of the corridor, allowing reconstruction of the inner lanes of the project to begin.

The contractor has also made progress on the construction of the footers, columns and caps for the southbound flyover ramp to Atlantic Boulevard. Utility relocations on the project continue, and the completion of major relocations along the Atlantic Boulevard corridor have freed up real estate needed for the flyover ramp. Ninety-eight percent of the utility relocations have been completed on the project.

Test-drilled shafts for the new Florida East Coast Railroad Bridge and Fuller Warren Bridge widening, along with “Statnamic” tests, have been completed, allowing the team to take work toward project completion. Production shafts started January 2015.

Once completed, the Overland Bridge project in Jacksonville, will create additional capacity and safety improvements to this section of the I-95 corridor. It will also prepare the alignment for upcoming improvements to the north and will allow FDOT to move forward with needed operational improvements to the I-10/I-95/US-17 interchange.

Special thanks for the content of this article to the Design-Build team of RS&H, Inc., and Archer Western Construction, LLC; and Eisman & Russo Consulting Engineers, who are providing construction engineering and inspection services for the project.
Sam Mody, ASHE National President, was a guest at the ASHE Georgia Section’s holiday party in December 2014. Shown with Sam are Brian O’Connor and Nikki Reutlinger.

TPD Scores High in PA’s Best Places to Work List

Traffic Planning and Design, Inc. (TPD), was ranked as one of the Best Places to Work in Pennsylvania for 2014. Now in their 25th year, TPD is proud to be on this popular list for the ninth time. Such annual events as their Chili Contest and Take Our Children to Work Day continue to contribute to the company’s favorable ranking.

ASHE Middle Tennessee Section Salvation Army Angel Tree Event 2014

Volunteers from the ASHE Middle Tennessee Section contributed money and time to support the Salvation Army Angel Tree Event in December 2014. The group raised over $1,500 toward the purchase of gifts for families in need. In addition, approximately 30 volunteers helped ensure that each family member received a surprise gift on Christmas morning.

Sam Mody, ASHE National President, was a guest at the ASHE Georgia Section’s holiday party in December 2014. Shown with Sam are Brian O’Connor and Nikki Reutlinger.
Keller Engineers’ multi-discipline professional transportation engineering staff brings extensive experience to all facets of:

- Bridge
- Highway
- Bridge Inspection
- Construction Inspection
- Railroad

www.Keller-Engineers.com
In Memory Of

Pasquale A. Dougherty, PE, PLS

ASHE National Presidents Award (2000)
ASHE National President (1997)
ASHE National Board of Directors (1990-1998)
ASHE Delaware Valley Section President (1985)
ASHE Delaware Valley Section Board of Directors (1981-1998)

5/10/1946 - 1/12/2015
ASHE Harrisburg Section Presents Instructive Webinar Series

In collaboration with highway industry partners, including State and Federal agencies, other professional societies and individuals in the industry, the ASHE Harrisburg Section initiated a webinar series to share new technical material/developments, improve communication across the engineering profession and help ASHE members acquire Professional Development Hours (PDH) to fulfill the requirement for their engineering license renewal.

A cross section of professionals from the transportation industry contributed to the development of the webinars. The concept of the webinar series was developed by Todd Morris, PE, Pennoni Associates, Inc., in coordination with the ASHE Harrisburg Section and Keller Engineers, Inc. Plans are underway to expand the series.

The following list provides information on webinars offered during 2014.

<table>
<thead>
<tr>
<th>Webinar Title</th>
<th>Presenters</th>
<th>Duration</th>
<th># of Sites Attending*</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRS-IBS</td>
<td>G. Randy Albert, PennDOT</td>
<td>1.5 hours</td>
<td>28</td>
</tr>
<tr>
<td></td>
<td>Daniel Alzamora, FHWA</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Daniel Alzamora, FHWA</td>
<td></td>
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<tr>
<td>Concrete Recycling</td>
<td>Ben LaParne, PennDOT</td>
<td>1 hour</td>
<td>21</td>
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<tr>
<td></td>
<td>Mark Snyder, ACPA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intersections-Interchanges</td>
<td>Mark Doctor, FHWA</td>
<td>1.5 hours</td>
<td>54</td>
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<tr>
<td></td>
<td>Jeff Shaw, FHWA</td>
<td></td>
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<tr>
<td>Diverging Diamond Interchange</td>
<td>Mark Doctor, FHWA</td>
<td>1.5 hours</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>Wei Zhang, FHWA</td>
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<td></td>
</tr>
<tr>
<td>Pavement Upgrades with Full Depth Reclamation</td>
<td>Jon Raab, Geo-Technology Assoc, Inc.</td>
<td>1 hour</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>Jason Snyder, URS Corporation</td>
<td></td>
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<tr>
<td>Section 4(f) Part I-Overview of Handbook Update</td>
<td>Camille Otto, FHWA</td>
<td>1.5 hours</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td>Virginia Bailey, McCormick</td>
<td></td>
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</tr>
<tr>
<td>Section 4(f) Part II-Improving the Quality of</td>
<td>Camille Otto, FHWA</td>
<td>1.5 hours</td>
<td>26</td>
</tr>
<tr>
<td>Documentation</td>
<td>Virginia Bailey, McCormick</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STIC Innovations</td>
<td>Karyn Vandervoort, FHWA</td>
<td>1 hour</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Mike Bonini, PennDOT</td>
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<td></td>
</tr>
</tbody>
</table>

* Number of sites normally includes multiple individuals.
Intelligent Transportation Systems (ITS) technology is now being used to enhance traffic safety and operations during construction of the Interstate I-295/Route 42/Interstate I-76 (Interchange) Direct Connection project in southern New Jersey. A gateway for travel to and from Philadelphia, PA, and Camden, NJ, this interchange has had a poor crash history, due in part to an outdated design that is no longer capable of safely accommodating more than 250,000 vehicles per day. The New Jersey Department of Transportation (NJDOT) is committed to keeping interchange traffic flowing in a safe and efficient manner. The ITS component of the Direct Connection project expands these traffic mitigation capabilities, giving NJDOT the resources to keep regional networks operating at an acceptable level of service during and after project construction.

The Advance ITS Contract, awarded to Diehl Electric for $6.8 million dollars, was fast-tracked so that ITS elements could be used to mitigate construction traffic impacts. Working closely with NJDOT and the Federal Highway Administration (FHWA), Dewberry prepared contract-ready plans that were designed, advertised and bid before any of the major roadway construction commenced.

Redirecting Communications
Construction occurred in several stages. Each stage required protecting and relocating existing communications conduit and fiber optic cable multiple times. To avoid this, the team developed a proactive scheme to “redirect” communications. Temporary communication hubs were established to redirect ITS data from existing fiber optic lines in the construction area to leased communications services at locations outside of the construction areas. Contractors could then perform roadway work without concerns about damaging or disrupting existing fiber optic communication systems and ITS devices.

This approach protected the functional integrity of the existing ITS devices along the three major routes entering the interchange. By supplementing the existing ITS devices with additional traffic monitoring, information and control strategies, the system now supports a higher level of operational reliability, serving traffic approaching and passing through the project area.

Additional ITS systems were selected based on possible incident scenarios in and around the construction area. This included parallel arterials of US 130 and NJ 168 that will be forced to accommodate traffic surges if freeway diversions occur. The latest in Adaptive Traffic Signal Control systems were used to manage spikes in arterial traffic flow when diversions from freeways occur. These Adaptive Signal systems do not require operator intervention to work, and traffic signal timing adjustments are taken care of automatically, based on actual, real-time demand.

Alerting Travelers
New Dynamic Message Signs (DMS) help expand agency capabilities to disseminate traveler information, including travel time information along segments of freeways. Travel time detectors, placed on the four roadway approaches entering the interchange, monitor travel on those roads and provide more accurate travel times to destinations beyond the interchange.

The additional DMS signage (continued on page 35)
Civil, Environmental, and Geotechnical Engineering

- Site Civil Design
- Water Resources Engineering
- Design Engineering
- Surveying
- Transportation Engineering
- Environmental Site Assessment & Remediation
- Environmental Clearances & Studies
- Environmental Permitting
- Geotechnical Investigations
- Slope Stability, Settlement, & Mine Subsidence Analysis
- Construction Materials Testing

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The proposed instructor is Robert Wm. Muir, Jr., PhD, PE. Dr. Muir has over 30 years of Progressive experience in engineering and construction and 8 years in full-time construction academia. He is currently serving as full-time faculty and Director of the Construction Management Program at Drexel University. He spent twenty-two years principally engaged in bridge and highway construction and has conducted training sessions for clients that include the Associated Builders & Contractors (ABC), Delaware Department of Transportation (DelDOT), Virginia Department of Transportation (VDOT), American Society of Highway Engineers (ASHE) and U.S. Army Corps of Engineers, among others.

MISSION
We are committed to the goal of providing the best training services by identifying training needs, and by developing solutions that exceed the requirements of those needs, for individuals in need of training and continue professional development in preparation for the civil engineering certification program.

VISION
To become the industry leading provider of training that helps prepare individuals for the civil engineering certification, by focusing on consistently improving the quality of our services, adding value through innovation, performance, and proven success, and valuing the importance of our professional relationships.

VALUES
Fostering a work and training environment that encourages new ideas, and new innovations and growth by employing and supporting motivated, focused, and dedicated team members. We pledge to maintain the highest levels of professionalism, integrity, honesty, and to remain fair and true in our dealings with all individuals, clients, professional organizations, vendors, and team members.

INSTRUCTOR
The proposed instructor is Robert Wm. Muir, Jr., PhD, PE. Dr. Muir has over 30 years of Progressive experience in engineering and construction and 8 years in full-time construction academia. Currently serving as full-time faculty and Director of the Construction Management Program at Drexel University and has conducted training sessions for clients that include the Associated Builders & Contractors (ABC), Delaware Department of Transportation (DelDOT), Virginia Department of Transportation (VDOT), American Society of Highway Engineers (ASHE) and U.S. Army Corps of Engineers, among others.

INSTRUCTIONAL APPROACH AND ACTIVITIES
The instructor will make liberal use of PowerPoint presentations and will provide each participant with a set of handout notes. There will also be considerable discussions. The emphasis will be on practical application as opposed to pure theory. All examples used will be directly related to highway construction, with many derived from actual projects. Instructional activities will include exercises to assess and reinforce learning.
Technology Increases Safety, Aids Traffic Flow on Congested NJ Interchange
(continued from page 32)

and travel time sensors installed under the Advance ITS Direct Connection project provide more timely and relevant information to drivers and allow them to make better driving decisions, whether they are within one mile of the construction project or 20 to 30 miles away. The travel time detectors also monitor and collect traffic data on the signalized parallel arterials as a means of system verification and validation of the Adaptive Traffic Signal Control system.

Each of these ongoing additions helps alert drivers of major incidents—and a potential alternate route—as far ahead of the interchange area as possible. By choosing those alternate routes, drivers help to reduce congestion at interchange work areas and improve the safety of those areas for everyone involved.

In addition to these ITS efforts, the subsequent Direct Connection project (Contract 1) established an interim ramp and constructed a concrete island that eliminated a difficult merge area by separating Route 42 northbound and I-295 northbound. The interim ramp will remain in use for several years and allow traffic to exit Route 42 northbound and directly connect with I-295 northbound. The island will separate Route 42/I-76 traffic from I-295 northbound traffic and eliminate the need for motorists to move across lanes.
Emerging Section locations include:
Denver, CO
Portland/Salem, OR
Hartford, CT
Dallas/Fort Worth, TX

ASHE Membership

Great Lakes Region
- Central Ohio: 192
- Circle City: 50
- Cuyahoga Valley: 125
- Derby City: 80
- Lake Erie: 136
- Northwest Ohio: 40
- Triko Valley: 175
Subtotal: 798

North Central Region
- Central Dacotah: 123
Subtotal: 123

Rocky Mountain Region
- Phoenix Sonoran: 135
Subtotal: 135

Other Memberships
- Domestic At-Large: 2
- International At-Large: 9
Subtotal: 11

National Total: 6,387
- Professional Status: 57%
- Government: 13%
- Consultant: 69%
- Contractor: 5%
- Other: 13%

❤️ There are three other geographic areas, including Northwest, Pacific Northwest and South Central Regions. These three areas are inactive at this time due to the lack of Sections in these Regions.