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Annual Meeting 2016

President's Report : Celebrating 60 Years of NACE!

By Duane Ratermann, PE
Knox County, Illinois



The National Association of County Engineers is celebrating our 60th Anniversary this year. It all began when 16 County Engineers from 8 different states recognized the value of a national association and formed NACE in 1956.

Let's take a look back at 1956 and see what some everyday items cost: The average house was worth \$22,000; the average annual income was \$4,454 per year; a gallon of milk was \$0.97; a dozen eggs was \$0.45, and a gallon of gas was \$0.23.

Many things have changed in the last 60 years with the invention of smart phones and autonomous vehicles, just to name a couple. I believe those 16 founding members would be very proud of what NACE has become.

NACE continues to be a national association that advocates the best policies and practices for the betterment of our nation's infrastructure.

Last month, 464 NACE delegates, 193 exhibit representatives, and 89 guests gathered in Tacoma, Washington, for the 2016 Annual Conference. Congratulations to the Washington State Association of County Engineers (WSACE) on a job well done in planning and producing a conference that I will always remember.

The conference theme was Innovate, Connect, & Inspire. The technical sessions showed us the innovations and advances in technology since 1956. I'm sure our founding members never dreamt of autonomous or connected vehicles. The conference delegates enjoyed many networking opportunities, including a technical tour to the Tacoma Narrows Bridge. I hope the new conference delegates were inspired by what they experienced at NACE 2016 and make attending future NACE Conferences an annual tradition.

It has been an honor for me to have served as your NACE President during our 60th Anniversary Celebration. Diane and I really enjoyed visiting with various state affiliates and representing NACE. My thanks to the NACE members in Illinois, Wisconsin, Washington, Alabama, Missouri, California, Minnesota, and Michigan for your hospitality and fellowship during our visits.

I traveled 20,000 miles—15,000 by air and 5,000 by automobile. I visited at least one affiliate in each of our 5 regions and witnessed first-hand the unique personalities of each of those states. I met many talented engineers and look forward to watching them become more involved in NACE and rise to the leadership roles. A special "Thanks" to the Illinois Association of County Engineers for supporting me during my years in NACE. It's very important that we don't forget where we came from.



I thank all of the NACE committee chairpersons who worked so hard this past year. Your leadership enables NACE to do great things. The passage of the FAST Act and the dues restructuring are two accomplishments that we can be very proud of. The NACE technical committees are doing a wonderful job developing sessions for our Annual Conference that the delegates find informative and sometimes entertaining.

A "Special Thanks" goes to the 2015-2016 Executive Committee for your dedication and support this past year. These are individuals that work hard to ensure NACE succeeds. I will forever cherish the friendship that we've developed and the experiences we've shared. Congratulations to Brian Stacy, Pierce County, Wash., on his installation as President. NACE is in good hands!

Thanks to Brian, Rebecca and Connie. NACE is fortunate to have these individuals taking care of the day-to-day operations of NACE. Anytime I needed anything, they were there to help making it very easy for me.

If there was one thing I could change about my year as NACE President, it would be that my mother were alive to witness it. Being a former NACE First Lady, she would have been thrilled at my opportunity.

NACE has always been a part of my family. My father, Dan (NACE President 1999-2000), taught me about NACE and inspired me to want to be President. I was fortunate to have shared this Presidency with him and now be part of the NACE Former Leaders (NFL) with him. What a great group!

And finally, a great big "Thank You" to Diane and my kids, Derek, Darcy and Dedra. Diane and I will celebrate our 23rd wedding anniversary on May 29. We attended our first NACE conference together in 1994 in Reno, Nevada. We had been married less than a year, so it was kind of a second honeymoon for us.

This past year has been very memorable for both of us. We are truly blessed to have so many fantastic NACE friends. Now where is that "honey-do list"?

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November 2016

President's Report

What's New at the Whitehouse

By **Brian Stacy, PE**
Pierce County, Washington



I know my patience runs low after long, drawn out political campaigns and I suspect I'm not alone in that. So for me, it's a relief that the process is finally over, so we can start to think about moving forward regardless of what side of the political spectrum we are on.

I'm also aware, after talking with many of my colleagues, there are some folks feeling anxious about what our future holds and how they may be affected directly or indirectly.

I think it's fair to say since both presidential candidates campaigned on platforms that promoted infrastructure, as county transportation officials we have reason to be optimistic. In fact, President-Elect Trump has spoken on many occasions about his desire to invest anywhere from \$.5 - 1 trillion in infrastructure improvements.

Even with a President who's repeatedly referred to our nation's crumbling infrastructure, we have the reality of the Legislative branch. Funding infrastructure improvements will require an act of Congress. Having both the Legislative and Executive branches controlled by the same party should result in an improved platform for cooperation, and hopefully agreement. But we still are faced with the harsh reality of how to pay for it.

Although the odds are long that we'll see an increase in the gas tax, we at NACE will still advocate for that, as we have in the past, hoping to bridge the gap until the nation becomes more willing to embrace a user fee approach of some type (miles driven, etc.).

A glimmer of hope is the stated desire to prioritize tax reform, which could hopefully include the Highway Trust Fund. Other financing discussions include repatriation of overseas funds, an infrastructure bank, private/public partnerships, and infrastructure bonds. These are all healthy discussions, but in the end it will be up to Congress to act.

The most promising element from our NACE perspective is streamlining and environmental reforms. Both the President-Elect and Republican Congress have voiced a desire to reduce "red tape" at the Federal level. NACE has positioned ourselves to support some common-sense-based changes in project delivery that will certainly help our members save time and money in their construction programs.

With a new Administration comes new Administrators. We've been fortunate with both Victor Mendez and Greg Nadeau as FHWA Administrators, as they've supported NACE over the years. We'll now have to build new relationships with the new Administration. Rest assured that we have outstanding relationships with the career managers that will remain and likely advise the incoming Administration.

Change brings uncertainty, but I believe NACE has the pieces in place to embrace the new Administration all while anticipating a successful outcome!

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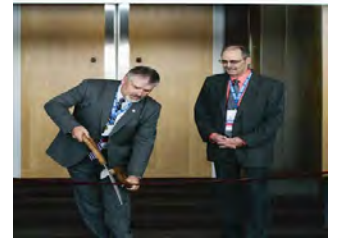
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Chris Bauserman Awarded NACE 2015 Urban County Engineer of the Year



Chris Bauserman, P.E., P.S., was awarded the NACE 2015 Urban County Engineer of the Year during its 2016 Annual Conference held April 24-28 in Tacoma, Washington. Bauserman has served as Delaware County, Ohio, County Engineer since 1996. Bauserman is responsible for 375 bridges and 331 miles of public roads.

“Chris is an exemplary urban engineer who has successfully managed the tremendous growth of his county,” said Brian Roberts, P.E., NACE Executive Director. “He has partnered with several local, state and federal agencies to exceed the expectations of his county’s taxpayers. They are fortunate to have him.” Under Bauserman’s leadership, Delaware County’s highway budget has increased from \$6.5 million to \$28 million.

Bauserman chaired the successful campaign for a voter-approved county sales tax dedicated to road and bridge funding. He implemented a bridge replacement program that reduced the number of deficient bridges from 130 in 1998 to 17 in 2015. Also, he

implemented a pavement preservation program, which resulted in the average pavement condition rating of county roads increasing by over 40%.

In 2001, Bauserman was appointed the position of County Drainage Engineer by the County Commissioners, overseeing 170 miles of storm sewers and drainage facilities. Before serving as County Engineer, Bauserman was the county’s Chief Deputy Engineer for seven years. He served as President of NACE 2009-2010 and on the NACo Transportation Steering Committee for eight years. He is currently First Vice President of the County Engineers Association of Ohio.

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NACE Announces New David P. Brand Safety Award



NACE—along with all our members and partner organizations—continue to keep local road safety in the forefront of our mission. During the Annual Conference, we announced the creation of the David P. Brand Safety Award.

Together, we're all committed to eliminate fatalities and serious injuries on our nation's local roadways. Our counties continuously strive to create an environment which includes an effective safety program and safety culture.

One person dies every 16 minutes in a traffic crash in the U.S. Over the course of a lifetime, nearly every U.S. resident is touched by consequences of traffic crashes.

NACE President Brian Stacy, PE, announced the safety award as a primary initiative to be implemented during his term. "A top priority for NACE continues to be local road safety," said Brian. "To help raise its awareness, we're initiating a David P. Brand Safety Award to recognize an individual who is dedicated to keeping our citizens and road crews safe. Someone like Dave who makes a difference at the national level, combining a dynamic mix of sound science, proven engineering principles, as well as people skills."

Throughout his career, Dave Brand was a champion of local road safety and had a positive influence on the national level. He was one of, if not the, most revered local highway safety advocates. Dave was always everyone's first choice to serve in an advisory capacity on this issue.

Dave was Madison County Engineer (Ohio) and Northeast Vice President for NACE. He was recognized by FHWA Deputy Administrator Greg Nadeau for his work on the Every Day Counts (ECD) initiative during the 2013 NACE Annual Banquet. Specifically, Dave was recognized for his success on the Safety Edge program, for which he led the 3 year process involving federal, state and local stakeholders. Dave's insights in local practices were instrumental to developing the outreach materials for local agencies.

Dave had represented NACE on numerous national roadway safety initiatives, including the Center for Excellence in Rural Safety (CERS), the National Local Technical Assistance Program Association (NLTPA) Roadway Safety Working Group, the Every Day Counts (EDC) Safety Edge Team, Toward Zero Deaths (TZD), and the National Center for Rural Road Safety.

The new award's criteria and guidelines are being developed jointly by the NACE Safety and Awards Committees.

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Congrats Todd Kinney! 2015 Rural County Engineer of the Year



Todd J. Kinney, P.E., was named the NACE 2015 Rural County Engineer of the Year during its 2016 Annual Conference held April 24-28 in Tacoma, Washington. Since 2001, Todd has served as County Engineer for Clinton County, Iowa, with a population of nearly 49,116 and 200 miles of paved roads, 800 miles of gravel roads, and 300 bridges.

"Todd was born and raised in Clinton County, so he brings passion to his position as County Engineer—not just engineering expertise, ingenuity, and management," said Brian Roberts, P.E., NACE Executive Director. "Under his leadership, Todd has saved his county's taxpayers millions of dollars by maintaining rural property tax transfers well below the maximum allowed by the state of Iowa."

During his career with the county, Todd has replaced 90 functionally obsolete, deteriorated, and deficient bridges. Most of these were designed in-house and constructed with his county's crews. In 2006 Todd was a founding member and Chair of the Clinton County Risk Management Committee. He was instrumental in reducing the worker's compensation premiums by 36%, reaching one of the lowest rates in the state.

A champion of safety, Todd has been granted over \$700,000 of various state safety funds. He has also administered nearly \$1 million dollars for FEMA and FHWA relief projects, which were designed and constructed in-house. Todd is a certified bridge inspector, licensed professional engineer, licensed groundwater professional, and certified water treatment plant and wastewater plant operator. Prior to joining the county, Todd was employed by Shive-Hattery Engineers and Architects for seven years.

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Andrew Witter Named 2015 Program / Project Manager of the Year



NACE awarded Andrew Witter, P.E., the 2015 Program/Project Manager of the Year during its 2016 Annual Conference held April 24-28 in Tacoma, Washington. Witter, Assistant County Engineer for Anoka County, Minn., oversaw the Armstrong Blvd./TH 10 interchange project, the first grade separation through the cities of Anoka and Ramsey.

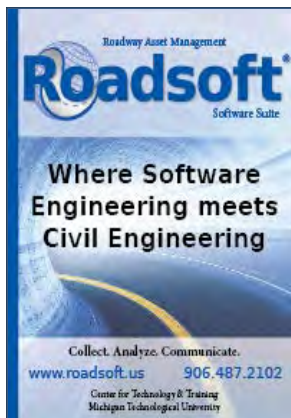
"From around the country, NACE members recognize the amazing achievement of Andrew," said Brian Roberts, P.E., NACE Executive Director. "I'm sure the residents appreciate the technical complexity of the project. We commend Andrew for resolving multiple design and construction issues to ensure the project remained on schedule."

The Armstrong Blvd./TH 10 interchange project is a \$42 million transportation improvement to relieve the bottleneck for almost 40,000 vehicles per weekday. TH 10 connects traffic to the lake areas in the North and is paralleled by a busy set of rail tracks. The interchange will serve as one of two main entrances to the COR mixed use development, expected to add 4,300 new jobs by 2030. And the new interchange is the only grade separated railroad crossing. The interchange was the first of many projects to address nearly 95% of safety concerns along a 7 mile corridor.

Witter oversaw the project from development in 2005 through preliminary design in 2010 and final design in 2014, and served as owner for construction in 2015. The project included over 15 construction, maintenance, and funding agreements with FHWA, MnDOT, city of Ramsey, Anoka County, Regional Rail, County Transit Improvement Board, BNSF Railway, private property owners, and public utility companies, and consultants.

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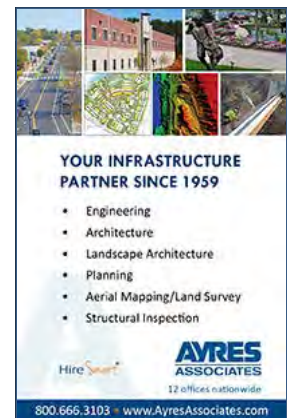
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Bryan Mistle, President and CEO of INRIX, Addresses NACE Attendees



The NACE 60th Anniversary Conference keynote presenter was Bryan Mistle, President and CEO of INRIX. The company, one of the fastest growing big data technology companies in the world, is at the center of connecting cars and smart cities to the cloud.

INRIX started 10 years ago with a simple idea...crowdsourcing. Today, there are over 250 million real-time vehicles & devices covering 42 countries and 5 million miles of road.

You may not know their name, but every day you see INRIX's products: Samsung, The Weather Channel, Tesla, Audi, BMW, Ford, GE, Washington DOT, Garmin, Bing, and more than 350 other customers.

Bryan gave some examples of how data can make a real impact on the driving experience.

He asked, "What if your vehicle could tell you while you're at the breakfast table, you're low on gas and won't make it to your first meeting on time?"

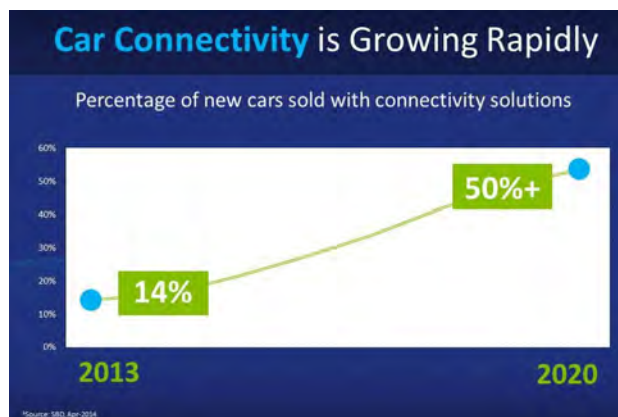
"What if while you were driving to work, your vehicle should tell you that you're going to be late and automatically send a message to the folks in your first meeting letting them know that based on the calendar and contact information on your phone?"

"What if your vehicle could notify you while you're driving to the airport that your flight is running an hour late?"

"What if your vehicle could tell you that 2 miles ahead a vehicle just slipped on the ice, so you should be careful?"

"You will see ALL of these live in vehicles this year," Bryan affirmed.

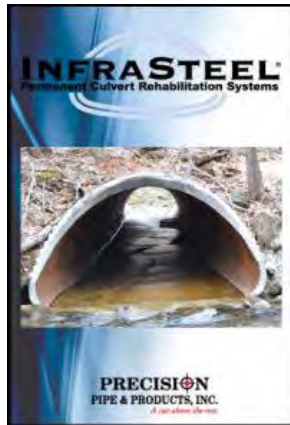
He stated that industry needs to expand thinking beyond V2V and V2I. Most of the immediate benefits will be via V2Cloud. That's where INRIX plays a role.




Bryan was an executive at Microsoft, responsible for successfully building and managing 4 businesses within the company, including Microsoft's Automotive, Mobile Services, Real Estate, and Personal Finance / Investing business units. Prior to Microsoft, Bryan worked at the Ford Motor Company.

As a leader on technology and transportation issues, Bryan has served as a member of the Bipartisan Policy Center's National Transportation Policy Project, a member of the US Department of Transportation's ITS Advisory Committee, and a board member of the Intelligent Transportation Society of America. Bryan currently serves on the board of the Discovery Institute, a leading think-tank in the Pacific Northwest.


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Meet Your New NACE Officers!

NACE installed Brian Stacy, PE, County Engineer of Pierce County, Washington, as President and all officers on April 27.

Brian announced the main initiatives to be implemented during his term. "A top priority for NACE continues to be local road safety," said Brian. "To help raise its awareness, we're initiating a David P. Brand Safety Award to recognize an individual who is dedicated to keeping our citizens and road crews safe. Someone like Dave who makes a difference at the national level, combining a dynamic mix of sound science, proven engineering principles, as well as people skills.

"Another prominent issue is the FAST Act, specifically ensuring that counties take full advantage of the funding opportunities. The Act increases available funding for locally-owned infrastructure and allows more local control over federal highway dollars, so NACE will be involved in DOT's implementation of various highway programs."

Brian will serve a one year term as President, having been elected as President-Elect in 2015. Brian has served as County Engineer since 2004. He is responsible for planning, organizing, directing, and controlling the activities of the Office, including county roads and bridges, waste-water treatment plants, sanitary sewer systems, stormwater systems, solid waste facilities, airports, ferries, water systems, equipment services, and the golf course Chambers Bay, which hosted the 2015 US Open.

Brian began his career at Pierce County in 1990 with the Sewer Utility, where he ultimately served as the Wastewater Utility Manager from 1998-2004.

NACE Officers 2016-2017



L-R: Past President Duane Ratermann, PE (Knox County, Illinois)

President Brian Stacy, PE (Pierce County, Washington)

Secretary/Treasurer/President-Elect Brian Keierleber, PE (Buchanan County, Iowa)

Secretary/Treasurer Rich Sanders, PE (Polk County, Minnesota)

Northeast Region VP Tim Hens, PE (Genesee County, New York)


Southeast Region VP Dennis McCall, PE (Butler County, Alabama)

South Central Region VP Derin Campbell, PE (Boone County, Missouri)

North Central Region VP DJ Buthe, PE (Minnehaha County, South Dakota)


Western Region VP Julie Bueren (Contra Costa County, California)

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Annual Meeting 2016

Download the NACE 2016 App!



You can still see what you missed!

The NACE 2016 Conference App has it all in one place:

- Program
- Presentations
- Exhibitors
- Speaker Information
- Technical Tours
- And Photos! Lots of Photos!

Nearly 500 attendees shared their experiences—commenting on technical sessions, exhibit show, technical tours, and networking events.

Quite a few participants gained enough points to win great prizes during the conference.

Most of all, attendees expanded their professional network and met new

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Presentations Online for Download

In case you missed the earlier notice, the NACE 2016 Conference presentations are available online to view and download.

7 technical tracks were featured: Structures, Safety, Pavement Preservation, and Emergency Preparedness; and newly added were Professional Development, Technology, and Operations and Maintenance. 3 presentations were given at general sessions.

The presentations are listed in chronological order. The keynote presenter was Bryan Mistle, President and CEO of INRIX, one of the fastest growing big data technology companies in the world. Sallie Clark, President of the National Association of Counties (NACo) and Commissioner of El Paso County, Colo., spoke to the group on the importance of the NACE-NACo partnership. She thanked NACE members for providing their expertise on the recently passed Fixing America's Surface Transportation (FAST) Act.

[Read more about INRIX.](#)

[View presentations.](#)

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Presentations

Tuesday, April 26

7:30 am – 8:45 am

FAST Act Update

[Richie Beyer](#), County Engineer, Elmore County, AL

9:00 am – 10:15 am

Structures Track – Precast Structures

ABC Examples

[Chuck Prussack](#), Old Castle

Ultra-Strength High Performance Concrete (UHPC)

[Hosin "David" Lee](#), University of Iowa [Part 1](#) [Part 2](#) [Part 3](#)

[Brian Keierleber](#), Buchanan County Engineer, IA

Technology Track – Autonomous and Connected Vehicles

Autonomous and Connected Vehicles : Coming Soon to a Highway Near You!

[Bernard Arseneau](#), HDR, MN [Bernard Arseneau](#), HDR, MN

Connected Vehicle Solutions for Public Transit

[John Toone](#), King County, WA

Pavement Preservation Track – Panel Discussion on FDR, CIR, HIR, Slag Seals, Micro-Surfacing and Fog Seals

[Todd Kinney](#), County Engineer, Clinton County, IA

Using usRAP Tools to Identify Crash Countermeasures for Safety Improvement Programs

[Doug Harwood](#), MRI Global

10:30 am – 11:45 am

Emergency Preparedness Track – Pre-Event Contracting for Emergency Recovery Events

[Andre Duarte](#), COO, [Joseph Gross](#), and [Tracy Doyle](#), CDR Maguire

Technology Track – Tools for Inventory Data Collection and Analysis

Geographic Roadway Inventory Tool for North Dakota Counties

[Brad Wentz](#), ND the Upper Great Plains Transportation Institute, NDSU

PaVision: Pavement Data Collection Equipment on a Diet

[Michael Harrell](#), Principal Engineer, Applied Research Associates, Inc.

Assets Management and Data Collection for Low Volume Roads

[Lars Forslöf](#), CEO/Founder, Roadroid AB

When to Use Cooperatives

[Jennifer Sulentic](#), Senior Program Manager, US Communities

Safety Track – Emerging and Innovative Safety Countermeasures

Mumble "Quiet" Rumble Strip Investigation Results

[Richard Sanders](#), Polk County, MN

Dynamic Rural Intersection Warning System

[Victor Lund](#), St. Louis County, MN

Mitigating Speeds at Rural/Urban Transition Areas

[Shauna Hallmark](#), Institute for Transportation, Iowa State University

Monday Presentations

Wednesday Presentations

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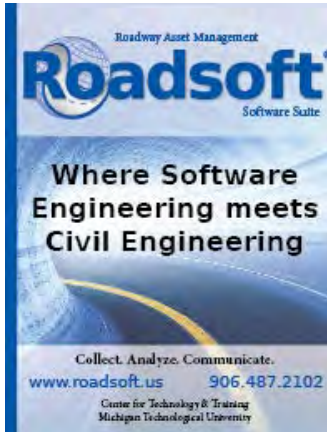


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Presentations

Wednesday, April 27

9:00 am – 10:15 am

Leader as Influencer: Impression Management in the Spotlight

[Jan McLaughlin](#), CSP

10:30 am – 11:45 am

Emergency Preparedness Track – Cascadia Subduction Zone Earthquake Planning

[Allison Pyrch](#), Associate Geotechnical Engineer, Hart Crowser, Inc.

[Liane Welch](#), Public Works Director, Tillamook County, OR

[Les Miller](#), US Army Corps of Engineers (ret.)

Facilities Design and Maintenance

[Bob Sworski](#), AIA/NCARB, CBS Squared, Inc.

[Tim Hens](#), Genesee County Engineer, NY

Professional Development Track – Getting in Your Customers' Way? Policies, Procedures or People May be Driving Them Away

[Jan McLaughlin](#), CSP

1:45 pm – 3:00 pm

Emergency Preparedness Track – Mutual Aid Agreement Panel Discussion

[John Himmel](#), Emergency and Security Manager, WSDOT

[Mark Nahra](#), Woodbury County Engineer, IA

[Richard Sanders](#), Polk County Engineer, MN

[Joe Trammel](#), Tarrant County Engineer, TX

Professional Development Track –Preparing the Next Generation to Take Over Your Organization

[Toby Rickman](#), Deputy Director, Pierce County Public Works, WA

[Lauren Behm](#), Airport and Ferry Analyst, Pierce County Public Works, WA

Safety Track – Low Cost Intersection Safety Design

[Hillary Isebrands](#), Roadway Safety and Design Engineer, FHWA

3:15 pm - 4:30 pm

Emergency Preparedness Track – Larimer and Boulder County, CO, Flood Event 2013

Catastrophic Flooding and the Dominos that Followed

[Lori Hodges](#), Director of Emergency Management, Larimer CO

Boulder County's Response to the Epic Flooding of 2013

[Ted Plank](#), Road Maintenance Div. Manager, Boulder County Transportation Dept.

Professional Development Track – The When, How, and Why of Effective Delegation and Empowerment

[Toby Rickman](#), Deputy Director, Pierce County Public Works, WA

[Monday Presentations](#)

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NACE Recognizes ACPA and RHOMAR for 20 Years



L-R - Brian Stacy, NACE President 2016-17; Mark Storey, NACE Conference Chair 2016; Bob Pipinich, ACPA Northwest Chapter Chair; and Duane Ratermann, NACE President 2015-16.

The American Concrete Pavement Association is the world's largest trade association that exclusively represents the interests of those involved with the design, construction, and preservation of concrete pavements.

ACPA represents these interests at the national level to Congress, FHWA, FAA, national trade associations, and business organizations. ACPA supports research and promotion to improve the quality of concrete pavements and expand their use.

ACPA provides engineering expertise, design tools, pavement specifications, construction best practices, and education to members and agencies. ACPA represents nearly 400 member companies and 2,300 individuals across the US and abroad.

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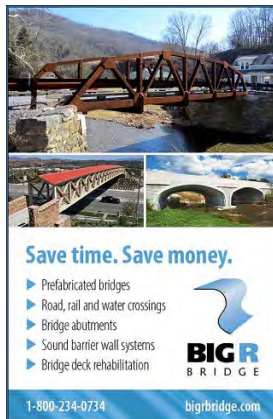
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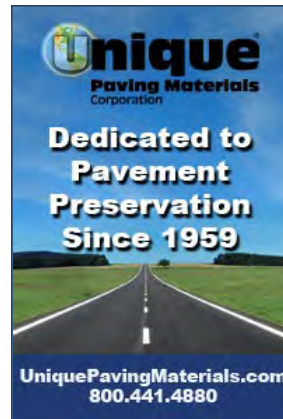


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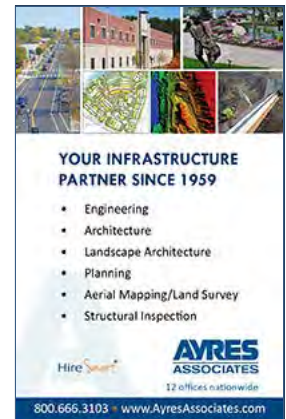
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Senate & House Move Transportation Funding Bills Forward

By **Dave Bauer**

ARTBA Senior Vice President of Government Relations



Congress continued this week to make progress on completing an FY 2017 transportation appropriations bill that would increase highway investment by \$900 million and public transportation funding by at least \$500 million. The Senate May 19 approved 89-8 its version of the transportation investment measure. The House Transportation Housing & Urban Development Appropriations Subcommittee May 18 also unanimously approved its proposed transportation funding bill.

The two plans largely adhere to the investment levels called for in 2015's Fixing America's Surface Transportation (FAST) Act. The only difference is that both proposals would provide slightly more than the \$2.3 billion the FAST Act authorizes for transit capital investment grants—Congress provided \$124 million less than the FAST Act

recommended in FY 2016.

The measures also continue Airport Improvement Program (AIP) investment at the \$3.35 billion level that has been in place since FY 2012 and funding for the Obama Administration's TIGER grant program that supports a variety of multi-modal transportation projects. Specific investment levels for the House and Senate plans are listed in the table.

Both the House and Senate measures also include identical common sense limitations—sought for the second consecutive year by ARTBA and AGC of America—on an Obama Administration push to allow state and local governments to impose geographic, economic and other hiring preferences on federal-aid highway and public transportation projects.

The measures would allow the U.S. Department of Transportation to approve such hiring preferences only if the recipient agency certifies: the existence of a sufficient qualified labor pool in the jurisdiction; that no existing workers would be displaced; and no planned projects would be delayed due to associated cost increases. While there is still work to do, inclusion of this important provision in both chamber's version of the transportation funding bill puts us in great position to continue the certification requirements in 2017.

The next step for the House bill is consideration May 24 by the full House Appropriations Committee. Senate action is now completed until the two chambers begin the process of reconciling the two proposals.

Reprinted from ARTBA Washington Newsline, May 20 issue.

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ASCE Issues Infrastructure Report Card



On May 10 the American Society of Civil Engineers released **Failure to Act: Closing the Investment Gap for America's Economic Future**. The report reveals that inadequate infrastructure is costing every American family \$3,400 a year in disposable income.

The economic study, an update to the initial series ASCE released prior to the 2013 Report Card, identifies the 10-year needs across 10 categories of infrastructure is \$3.3 trillion, including a \$1.4 trillion investment gap.

The \$1.4 trillion investment gap comprises:

- \$1.1 trillion throughout the surface transportation network including roads, bridges, transit, and commuter rail.

- Electricity infrastructure requires an additional \$177 billion.

- The third highest investment gap is \$105 billion for water and wastewater infrastructure.
- Airports, including the highly anticipated NextGen technology upgrade, require an added \$42 billion.
- America's inland waterways and ports need an additional \$15 billion to close their funding gap.

Our overdue infrastructure bill is costing us time and money. The report identifies the following economic ramifications:

\$3.9 trillion in GDP, more than the 2013 GDP of Germany

\$7 trillion of business sales

2.5 million job losses in the year 2025

\$3,400 in a family's annual disposable income each year from 2016 to 2025, equal to \$9.33 a day.

These findings underscore the findings of the initial Failure to Act series, showing the economic benefits of infrastructure investment reverberate through every sector of the economy, while the economic losses that come from deferred investment also become worse over time. Furthermore, the longer we delay the more likely we are to need to replace the infrastructure rather than repair it.

America is currently spending more failing to act on our investment gap than we would to close it. Inefficient infrastructure is costing every household \$9.30 a day. However, if every family instead invested an additional \$3 a day per household, we could close the infrastructure investment gap in 10 years.

By increasing the investment by \$144 billion a year for the next 10 years at the federal, state and local levels, we can upgrade our infrastructure, and protect our GDP, jobs, families' disposable income and our nation's competitiveness.

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NACo Webinar : Saving Lives through Local Road Safety Plans

June 30 ~ 2:00 PM – 3:15 PM EDT

Join us on this interactive webinar to learn about Local Road Safety Plans (LRSPs), and how your county can benefit from the development and implementation of one. Federal, state, and local transportation experts will discuss the recognized positive impacts LRSPs have on local road safety through collaboration with safety stakeholders, building awareness and correlation with the State Strategic Highway Safety Plans (SHSP).

LRSPs are designed to build on the foundation established by the SHSP. They can also provide the basis for systemic implementation of safety measures across the entire jurisdiction. This presentation will provide an overview of LRSP with a focus on (1) the “why” of developing Local Road Safety Plans; (2) the benefits realized and (3) different approaches to the development and implementation of the plans. This webinar is being presented with support from the sponsors of the NACo Community and Economic Development program.

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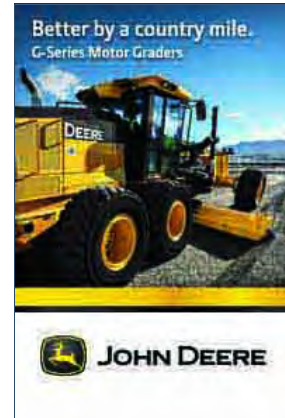
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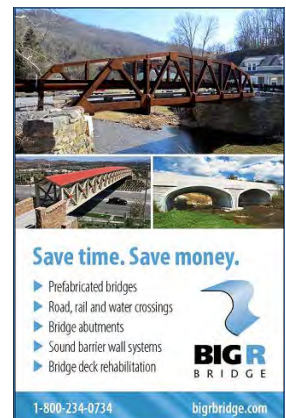
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Free Webinar - Why Transit Agencies Can No Longer Ignore Succession Planning

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Flood Control District Engineer Position

Mohave County, Arizona

Summary

Manages the Flood Control Division of the Development Services Department and performs professional civil engineering and supervisory work involved in planning and managing all activities of the Flood Control Division.

Reports To

Work is performed under general direction of the Development Services Director or to another assigned higher level of authority. The employee is expected to exercise initiative and judgment in planning and organizing work, completing assignments, and handling routine and unusual problems.

Essential Job Functions

Plans, organizes and manages all activities and duties of the Flood Control District Division, including floodplain management and flood control project management.

Supervises the engineering activities of the Flood Control District.

Inspects, studies, analyzes and formulates proposals on flood control and drainage problems.

Performs site inspections of major and minor flood and drainage problems.

Prepares reports, sketches and drawings.

Manages Floodplain and Automated Flood Warning System (AFWS) staff in the daily activities including issuance of permits, review of applications and the processing of appeals.

Reviews Flood Control District projects for compliance with regulations, economic benefit and other technical matters and recommends to the Development Services Director, those projects meeting the criteria for inclusion into the Five Year Capital Improvement Program.

Responds to complaints and inquiries and provides information concerning floodplain administration.

Designs and supervises the County's owned flood control projects and/or other drainage related projects with staff or consultants.

Performs contract administration for the delivery of planning, design, and construction services.

Read complete [Job Description](#).

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