



| OFFICERS |

PRESIDENT

Dawn Fortuna, Rick Engineering
dfortuna@rickengineering.com

PAST PRESIDENT

James Schleich, Huitt-Zollars
jschleich@huitt-zollars.com

1ST VICE PRESIDENT

Yung Koprowski, Lee Engineering
ykoprowski@lee-eng.com

2ND VICE PRESIDENT

John Willett, CivTech
jwillett@civtech.com

SECRETARY

Melissa Boyles, Hill International
melissaboyles@hilltinl.com

TREASURER

Susie Mason, Gannett Fleming
smason@gfnet.com

1ST YEAR DIRECTOR

Alan Ferreira, Wilson & Company
alan.ferreira@wilsonco.com

2ND YEAR DIRECTOR

Steve Boschen, ADOT
sboschen@azdot.gov

3RD YEAR DIRECTORS

James Bennar, B T & Associates
Bennar@bta-eng.com

Tricia Brown, MCDOT
triciabrown@mail.maricopa.gov

James Barr, T.Y. Lin International
james.barr@tylin.com

COMMUNICATIONS CHAIR

Ryan Hudson, City of Mesa
ryan.hudson@MesaAz.gov

| PRESIDENT'S MESSAGE |

Greetings.

With the age of technology, we are now reaching our members utilizing a more electronic based approach. By transitioning to an e-blast newsletter, we are able to share our announcements and updates more quickly and efficiently. If you have taken a new position or won an award, please let us know so we can share as part of our communication efforts.

Dawn Marie Fortuna
RICK ENGINEERING
COMPANY



While we are reducing our quarterly formal newsletter to twice a year, we are rewarding our newsletter sponsors by displaying their firm logos at our monthly section meetings and links to their home page in our e-news blasts. If you're company has thought about being a Sonoran Bypass sponsor, this would be a great time to participate and support our section.

We are ending the year on a high note by adding over \$3,800 to the scholarship fund from the proceeds of the ASCE/ASHE Conference. Your attendance and sponsor support more than doubled what we received the previous year. The combination of this event with our golf tournament allows us to continue to provide scholarships to deserving students at our state universities who are pursuing careers in the highway industry.

Our speakers continue to be of high caliber from both the public and private sector. Of particular note was Steve Boschen's presentation of the AASHTO Green Book update to many of our younger members. We are looking forward in January to an update on the Loop 202, what is proving to be one of the largest infrastructure projects for Arizona over the next few years.

The closing for our Member and Young Member of the Year is fast approaching. We will be forwarding our winners to ASHE National for consideration for the National award. A few years ago, this chapter was fortunate to have won both of these titles with John Derr and Yung Koprowski. We believe the efforts of all of you is what makes us the Section we are today. Please consider a worthy member so that we can continue to reward them for their dedication to the Phoenix Sonoran Section.

Dawn Marie Fortuna - Phoenix Sonoran President

| IN THIS ISSUE |

Page 2 | **Events Calendar**

Page 3 | **Membership Update**

Pages 4-5 | **Programs Recap**

Pages 6-7 | **Sponsors**



| MISSION STATEMENT |

The mission of ASHE is to provide a forum for members and partners of the highway industry that supports education, innovation, and fellowship; promoting a safe and efficient highway system for mobility now and in the future.





Programs Contact

If you would like to help with upcoming events or have a program topic, contact Yung Koprowski at ykoprowski@lee-eng.com

| **UPCOMING EVENTS** |

DATE	EVENT & LOCATION	INFORMATION
Tuesday, January 13th 7:30 AM to 9:00 AM	Monthly Section Meeting Hilton Garden Inn, Phoenix Airport North 3838 E. Van Buren Street, Phoenix, AZ	Topic: <i>SR-202 Loop South Mountain Freeway Update</i> Speakers: Rob Samour, Deputy State Engineer, Operations
Tuesday, February 10th 7:30 AM to 9:00 AM	Monthly Section Meeting Hilton Garden Inn, Phoenix Airport North 3838 E. Van Buren Street, Phoenix, AZ	Topic: <i>SR-347 UPRR Grade Separation</i> Speakers: Elijah Williams, EPS Group
Tuesday, March 10th 7:30 AM to 9:00 AM	Monthly Section Meeting Hilton Garden Inn, Phoenix Airport North 3838 E. Van Buren Street, Phoenix, AZ	Topic: <i>Perryville T.I. Project</i> Speakers: Chris Halpin, Skanska and Karen Hobbs, Gannett Fleming

| **ASHE COMMITTEES** | **GET INVOLVED!**

As the ASHE Sonoran Section grows, opportunities to engage in section activities also grow. One of the key benefits to membership of professional organization is the ability to form relationships with peers throughout the industry. Joining committees such as the newsletter or programs and volunteering to serve on special projects such as the annual scholarship golf tournament, present both short and long-term opportunities to engage with your industry peers. As we move into 2015, we will be establishing committees (both standing and for special projects), look for coming announcements and consider volunteering your talents and time to support the growth of our section!



| WELCOME | NEW 2014 MEMBERS!

- Tim Fish, Horrocks Engineers
- Jay Van Echo, Horrocks Engineers
- Paul Driver, MCDOT
- Ed Mears, Pulice Construction, Inc.
- Larry Bruce, URS
- Ryan Raab, Hoskin Ryan Consultants
- Rafael Davis, ADOT
- Thomas Perkins, ProTeX the PT Xperts, LLC
- John Ritter, ProTeX the PT Xperts, LLC
- Maher Osman, Consultant Engineering, Inc.
- Susan Detwiler, Dibble Engineering
- Elijah Williams, EPS Group, Inc.
- Benjamin Barkan, Burgess & Niple
- Pancho Garza, AMEC Foster Wheeler



TOTAL MEMBERS COUNT

| ASHE | AN INVESTMENT IN PROFESSIONAL DEVELOPMENT

Most successful professionals today recognize the value of participating in professional associations. For those of us in the transportation industry, particularly those of us focused on highway-related projects and opportunities, ASHE is the premier association for networking, industry education, and learning about innovative projects throughout the Valley. If you're already a member, consider promoting ASHE to your colleagues. If you haven't yet joined, we encourage you to speak to one of our Board Members about the benefits of membership today!

Interested now? Contact Alan Ferreira at alan.ferreira@wilsonco.com or visit our website at www.sonoran.ashe.pro for membership information and an application.



| LEADERSHIP SPOTLIGHT | JENNIFER TOTH, P.E.

In this edition of the Sonoran Bypass, we are spotlighting the work of Jennifer Toth, County Engineer and Transportation Director for the Maricopa County Department of Transportation. Over the past sixteen years Jennifer has worked in both the public and private sectors. Jennifer's passion is connecting communities through transportation, and in her new role at MCDOT she's responsible for doing just that for one of the largest counties in the United States.

Prior to assuming the role of County Engineer, Jennifer enjoyed leadership positions with the Arizona Department of Transportation

while serving as State Engineer and Deputy Director responsible for the Multimodal Planning Division. At ADOT her responsibilities included planning, design, construction, and maintenance and operations of over 6,000 miles of Arizona interstate and state highways as well as state-wide stakeholder collaboration.

Jennifer serves on a planning committee for the National Research Council's Transportation Research Board and holds a Bachelor of Science degree in Civil Engineering from the University of Houston and a Master of Science degree in Civil Engineering from the University of New Mexico.

We look forward to continuing to follow the leadership and career of Jennifer Toth in her role with the County. As with her roles at ADOT and in the consulting community, we are sure to see her unique brand of communication and collaboration benefit both MCDOT as an organization as well as the community it serves.



DECEMBER 2014



Paul Basha shared his perspective regarding the evolution of the transportation infrastructure in the city of Scottsdale. Participants learned about the decision-making process, how stakeholder groups influenced the City's choices, and the reasons for some of the more challenging transportation areas of the community.

Paul provided a brief history of some of the transportation decisions in and near Scottsdale in the past 50 years. His engaging presentation highlighted the planning influences of land owners, citizen groups, and agency staff and the resulting infrastructure we see today.



ANNUAL HOLIDAY PROGRAM

During our annual Holiday program participants donated items to Toys for Tots to help needy children this holiday season. Thank you to all who donated for their generosity.

NOVEMBER 2014

During the November Section meeting, participants heard from Deputy State Engineer, Steve Boschen. This technical session was focused on the most recent update of the AASHTO "Green Book." Steve spoke about the next revision to the AASHTO Green Book and the associated research projects that drive updates and revisions. He currently oversees the technical groups that work with industry in delivering the five-year construction program. Mr. Boschen is also the 2nd Year Director of ASHE and is on the Subcommittee on Design (SCOD) for AASHTO. Participants included seasoned engineers and practitioners as well as Engineers-in-Training and recent engineering graduates. The Sonoran Section was also happy to host one of our 2014 Scholarship recipients to help introduce him to the industry.



OCTOBER 2014

Karla Petty, the Federal Highway Administration's Division Administrator for Arizona, presented on "Collaboration and Innovation to Leverage Resources". As the Division Administrator she leads an office of professionals that deliver the Federal-aid Highway Program in Arizona. She and her staff provide leadership, program assistance, oversight and guidance to the Arizona Department of Transportation, Metropolitan Planning Organizations, local and tribal governments.

SEPTEMBER 2014

During the September program Sonoran Section members and guests heard from national subject matter experts William Anderson, Director of the Transportation Infrastructure Security Partnership and former Chair Albert Romano, Vice President of Hill International. The program focused on infrastructure security and preparing for both national disasters, such as the flooding that occurred on I-10 the same week of the presentation, and disasters resulting from terrorism.



AUGUST 2014



Third place went to **James Bennar of BT & Associates** with a time of 29.116; **second place** went to **Craig Borger of Point Engineers** with a time of 28.984 and **first place** and the reigning champ is **Steve Boschen of ADOT** with a time of 28.726. **Congratulations to all of our top finishers!**

ASHE hosted its **5th Annual “Members Only” Appreciation Event** on Monday, August 18th at the Octane Raceway in Scottsdale. Members were invited to attend this free special event to enjoy food, drinks, prizes, and networking. Indoor go-cart racing is optional but each year the fastest driver gets to take home the coveted “ASHE Cup” trophy. For the second year running, our best driver was Steve Boschen from ADOT and looks forward to defending in the future. This year we had a record-breaking number of attendees, which included all three of our **recent scholarship recipients** and guests. This included our three gracious scholarship recipients Christopher Sobie (NAU), Robert Richards (ASU), and

Haley Koesters (U of A) who also participated in the go cart racing. Everyone had a great time whether they raced or not and they are all looking forward to next year’s competition. In order to attend this annual event, you must be an ASHE member in good-standing. Apparently, the word got out about our evening of healthy competition and fun and it resulted in the addition of several new members paying their annual dues to be included at the event.



All three of the **2014 ASHE scholarship recipients** were in attendance to accept their awards. **Left to right** – Christopher Sobie, civil engineering student at Northern Arizona University; Yung Koprowski, 1st Vice President & Scholarship Committee Chair; Haley Koesters, civil engineering student at the University of Arizona; Robert Richards, civil engineering student at Arizona State University.

NEWSLETTER SPONSORS

Has your firm advertised in this issue? Contact Dawn Fortuna (480) 772-7271 for details on how to include your company in the ASHE corporate sponsor program. Enjoy having your logo displayed at monthly section meetings, your company listed with a link to your corporate website on all e-blasts, and an ad included in the semi-annual newsletter.

JACOBS™

Highways / Roadways
Transportation Planning
Traffic Engineering
Bridges and Structures
Aviation
Transit
Environmental

Archaeology
Water Resources
Drainage
Program Management
Construction Management
Construction Inspection
Survey

101 N. 1ST Avenue, Suite 3100 • Phoenix, Arizona 85003 USA
Phone: 602.253.1200 • Fax: 602.253.1202 • www.jacobs.com

INNOVATIVE ENGINEERING

Planning, Engineering, Management and Construction Services
for Transportation ■ Water Resources ■ Environmental Projects



Gannett Fleming

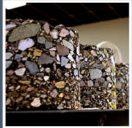
A Tradition of Excellence
www.gannettfleming.com

4722 N. 24th Street, Suite 250, Phoenix, AZ 85016
Phone: (602) 553-8817 ■ Fax: (602) 553-8816

ISO 9001:2000
CERTIFIED

SPEEDIE AND ASSOCIATES

www.speedie.net



Geotechnical
Environmental
Materials Testing

Sound Solutions, Superior Service.
Since 1980

phoenix flagstaff tucson
602-997-6391 928-526-6681 520-514-9411

Hunter CONTRACTING CO.

CONSTRUCTION MANAGER AT RISK • DESIGN-BUILD •
JOB ORDER CONTRACT • DESIGN-BID-BUILD • HEAVY
HIGHWAY • WATER/WASTEWATER • PARKS • STRUCTURES •
UTILITIES • MINING • SITE DEVELOPMENT

480.892.0521 ph | www.huntercontracting.com

Transportation
Rail/Transit/Aviation
Environmental Services
Surveying
Utility Locating & Design
Land Development
Energy



AZTEC
TYPESA Group
www.aztec.us
www.typsas.com

602.454.0402 www.aztec.us



Stanley Consultants

A Stanley Group Company
Engineering, Environmental and Construction Services - Worldwide

1661 East Camelback Road, Suite 400
Phoenix, AZ 85016-4425
Phone: 602.333.2200
Fax: 602.333.2333
www.stanleyconsultants.com

Transportation
Water Resources
Water/Wastewater
Land Development
Surveying
Construction Management

RITOCH-POWELL & ASSOCIATES

YOUR DEVOTED ENGINEERING AND SURVEYING RESOURCES



3838 NORTH CENTRAL AVENUE
SUITE 1250
PHOENIX, ARIZONA 85012
O: 602.263.1177 F: 602.277.6286

1114 GRAND AVENUE
PHOENIX, ARIZONA 85007
O: 602.253.6637 F: 602.252.5470

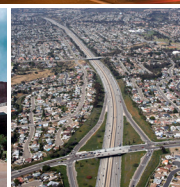
WWW.RITOCHEPOWER.COM

RICK ENGINEERING COMPANY

RICKENGINEERING.COM



Engineering Today for Tomorrow!



6150 NORTH 16TH STREET / PHOENIX, AZ 85016 / T. (602) 957-3350



ASHE

Phoenix
Sonoran



Tierra Right of Way
A Land Services Company

Right of Way • Red Flag Corridor Analysis
Relocation Planning • Cultural Resources
Environmental Planning • GIS/CAD Mapping

(800) 887-0847
www.tierra-row.com

Building the Future...Sustaining the Environment

TUCSON, AZ • PHOENIX, AZ • SANTA FE, NM • LAS VEGAS, NV • SEATTLE, WA

Complex Projects? **Simple Solution.**

BURGESS & NIPLE
Engineers ■ Planners

CELEBRATING **100 YEARS**
1912 - 2012



1500 N. Priest Dr. | Ste. 101 | Tempe, AZ 85281 | 602.244.8100
burgessniple.com

HUITT-ZOLLARS
Engineering | Architecture | Construction Management | Surveying

<ul style="list-style-type: none"> RURAL HIGHWAYS URBAN HIGHWAYS 	<ul style="list-style-type: none"> FREEWAYS & INTERCHANGES DRAINAGE 	<ul style="list-style-type: none"> STRUCTURES TRAFFIC
------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------

426 N. 44th Street, Suite 300 | Phoenix, AZ 85008 | 602.952.9123
www.huitt-zollars.com

dba
DBA Construction, Inc.

Providing Construction Excellence
in Arizona Since 1996

P.O. Box 63035, Phoenix, Arizona 85062-3035
(602) 442-6767 FAX (602) 442-0408
www.dbaconstruction.net

Airfield Paving & Repair	Roadway Construction	Concrete Bridges / Structures
Drainage Conveyances	Rip-Rap Placement	MSE / Retaining Walls
Underground Utilities	Earthwork	Demolition
Landfill Construction	Pavement Rehabilitation	PCCP Placement

SAFETY QUALITY FLEXIBILITY

WILSON & COMPANY

410 N. 44th Street, Suite 460
Phoenix, AZ 85008
602-283-2701

www.wilsonco.com

- Transportation planning
- Traffic & safety studies
- Traffic engineering
- Roadway engineering
- Conceptual & final design
- Environmental studies
- Surveying/mapping/GIS
- Bicycle, pedestrian & transit
- Modeling & simulations
- Rail design/coordination

HDR
TRANSPORTATION
www.hdrinc.com



Cultivating Opportunities

- Highways
- Local Roads
- Structures
- Aviation
- Transit
- Freight Rail
- Public Involvement
- Environmental

Phoenix | 602.522.7700 Tucson | 520.584.3600



SUNRISE ENGINEERING

Transportation, Civil Engineering
& Surveying Services

Mesa: 480.768.8600 • Payson: 928.474.4404
Web: sunrise-eng.com

HILL

Hill International

The Global Leader in Managing Construction Risk