

AMERICAN SOCIETY OF HIGHWAY ENGINEERS

The Sonoran Bypass Newsletter

OFFICERS

President

Jim Mischler, PB
mischler@pbworld.com

Immediate Past President

John Derr, Gannett Fleming
jderr@gfnet.com

1st Vice President

Jay Guertin, PB
guertin@pbworld.com

2nd Vice President

Jason Pagnard, Burgess & Niple
jpagnard@burnip.com

Secretary

Carol Hardy, Gannett Fleming
chardy@gfnet.com

Treasurer

Susie Mason, Gannett Fleming
smason@gfnet.com

Assistant to the Secretary & Treasurer

Sara Elco, City of Phoenix
sara.elco@phoenix.gov

1st Year Director

Sharon Wavering, CH2M Hill
sharon.wavering@ch2M.com

2nd Year Director

Lisa Ruane, MCDOT
lisaruane@mail.maricopa.gov

3rd Year Directors

Jim Schleich, Huitt-Zollars
jschleich@huittzollars.com

Mark Stark, Gannett Fleming
mstark@gfnet.com

Dawn Fortuna, Jacobs
dawn.fortuna@jacobs.com

Membership Chairs

Maher Osman, CEI
mosman@cei-az.com

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

Special Events Chair

John Willett, SWTE
johnwill@swte.us

Mission Statement

"Provide a forum for members and partners of the highway industry to promote a safe, efficient and sustainable highway system through education, innovation and fellowship."

President's Message



I want to take this final opportunity to recognize what was accomplished in our first year and thank our members, Board and supporters for making ASHE a reality in the southwest. In particular we need to thank Lisa Ruane and Jay Guertin for working with ASHE National to generate the local interest and energy to help put us on the map with our charter meeting last July. With that meeting we were born as 40 members strong.

These 40 members were all in agreement that an organization that was focused on the Highway Industry was missing from the Southwest and in particular this Valley. Since that meeting a short 11 months ago we have increased to over 65 members and interest for new members continues every day. We have established our monthly breakfast meetings that provides an opportunity for members to network and then participate in a relevant local highway related topic.

Organizationally, we focused on getting all the pieces in place with committees to address the bylaws, newsletter, audit, program, membership, special events and nominating.

The membership did a wonderful job reaching out to the Board to volunteer to help. We were extremely successful in exceeding our goals with respect to publishing a quarterly newsletter, establishing our annual golf outing and our soon to go on-line website. Our golf outing was held on May 17th and was very successful in establishing base monies to create our annual scholarship program.

Finally, I was pleased and honored to serve as your first president of the ASHE Sonoran Section. I am grateful to have gotten to know so many more folks in the valley as part of this position. Going forward under our new President, Jim Mischler, I am confident in continued growth for the Phoenix Sonoran Section. -*John Derr, Outgoing President.*

It's hard to believe that it has been a year since the Phoenix Sonoran Section of ASHE was chartered, and what an exciting year it's been! Under John's excellent leadership, we've exceeded every goal we established for our first year, and I'm excited by the opportunity to work with the ASHE board and our membership this coming year to continue our efforts achieve the goals of our mission statement printed at the top of this page.

Wise people have said that problems and challenges are really opportunities in disguise, and if that is true, our industry has more opportunities today than we've had in years. Funding our highway and transportation systems is a challenge at every level from here to Washington. Our traditional funding methods are experiencing a paradigm shift as high-efficient and hybrid vehicles become commonplace and alternative fuel vehicles begin to make their way towards becoming a measurable portion of the

Reduction in carbon-based fuel consumption is a very good thing for the environment, but the same and more miles being driven with lowered liquid fuel tax receipts creates a funding gap. We will be challenged at every level to continue to serve the needs of the traveling public, and ASHE provides a forum that helps us shape the future of transportation, find ways to achieve our goals more efficiently, and work together in turning our challenges into opportunities.

I am humbled to serve as your president, welcome the opportunity to lead our Section, and thank you in advance for your help and advice so that we can continue to meet our mission! *Jim Mischler, Incoming President.*



Calendar of Events

Event This Month

June Breakfast Meeting

Tuesday, June 8, 2010

- 7:30-8:00 AM Registration and Breakfast
- 8:00 AM Presentation:

Larry Langer, ADOT

\$20 for ASHE members

\$25 for Non-Members and Walk-Ins

Location: Hilton Garden Inn, Phoenix Airport North, 3838 East Van Buren, Phoenix

If you would like to help with upcoming events or have a program topic.....

Please contact:

Jim Mischler
480-921-6882


mischler@pbworld.com

or

Jay Guertin
602-549-7079

guertin@pbworld.com

Upcoming Events

DATE	EVENT and LOCATION	SPEAKERS and TOPIC
June 8, 2010	June Breakfast Meeting Hilton Garden Inn, Phoenix Airport North 3838 East Van Buren	Larry Langer, ADOT Urban Freeway Program Update
July 2010	Summer Break	
August 2010	TBD	Membership Appreciation Event
Sept 14, 2010	September Breakfast Meeting Hilton Garden Inn, Phoenix Airport North 3838 East Van Buren	Floyd Roehrich, ADOT State Engineer



National Conference

Cincinnati, Ohio; June 9-13, 2010

For more information:

<http://www.ashe2010.org/>

E-Mail

To receive ASHE updates via e-mail, please contact Carol Hardy.

602-553-8817, Ext. 8262

chardy@gfnet.com

Table of Contents

Calendar of Events: p. 2

Spring Events: p. 3-4

Membership Update: p. 5

Feature Project Article: p. 6-7

Sponsors: p. 8-10

Spring Events

March 2010

Wylie Bearup, City of Phoenix

Gary Aller, ASU

Mr. Bearup and Mr. Aller gave a presentation on Alternative Project Delivery Methods.



ASU ARIZONA STATE UNIVERSITY



April 2010

Gary Fromm, Jacobs

Jacob Dean, Haydon Building Corp

Mr. Fromm and Mr. Dean gave an overview of Peoria's Beardsley Connector and the State's 1st Texas U-Turn Structure.



May 2010

Al Kattan, MCDOT

Mr. Kattan updated our members on MCDOT's 2010 Accomplishments and Outlook for 2011 Transportation Improvement Program..



Spring Events



Kevin Duris, ASHE National President
John Derr, Sonoran Section President



Volunteers: (l to r) Carol Hardy, Susie Mason,
Tom Jones, Lori Bennett, Sara Elco, Kirk Alire

1st Annual Scholarship Classic

The 1st Annual Scholarship Classic Golf Outing was held on Monday, May 17th at Vistal Golf Course. They were 55 participants registered for the event, which was just under our goal of 60 for the first time event. ASHE would like to thank the golfers and following sponsors that allowed us to raise just under \$2500 for the scholarship fund. What a great turnout for our first outing!!!!

Huitt-Zollars
Universal Field Services
Lee Engineering
Taco Bell

Aztec Engineering
Gannett Fleming
CalPortland
Austin Bridge & Roads

Tristar
Ritoch-Powell
SouthWest Traffic

Photos from the event can be found at <http://picasaweb.google.com/ashesonoran>. A special thanks to John Willett, Yung Koprowski, Sara Elco, Susie Mason and Carol Hardy for organizing and volunteering for this event.

Membership Update

New Members

We proudly welcome the following new members:

Sean Messner, CivTec, Inc.

Vance Tuttle, Universal Field Services

Geoffrey Child, Sunrise Engineering

Kevin Woudenberg, Pulice Construction

Natalya Hyland, URS Corp

Ahmad Omais, Kimley-Horn

Total Section
Members:

65

John Akin, Tristar

Romeo Abraham, CEI

Michael Jauch, Gannett Fleming

Ray Yparraguirre, Kimley-Horn

Jeanne Sapon, Austin Bridge & Roads

Transitions & Awards

What have you done lately that deserves a pat on the back? A promotion, an award, a new job? Let us know so we can celebrate your success!

Peoria's **Happy Valley Road** project designed by **Jacobs Engineering** has been named the Public Works Project of the Year of the Arizona chapter of APWA. The project completed a missing segment of Happy Valley Road between 91st Avenue and Terramar Boulevard. Originally budgeted at \$54 million, aggressive design and construction scheduling reduced the project by more than a year resulting in a \$12 million savings to the City.

Doug Peters has accepted the position of Operations Manager at **AMEC Earth and Environmental**. You can reach him at Douglas.peters@amec.com

In December 2009, the team of **MCDOT (Lisa Ruane & Herb Miller)**, **Stanley Consultants (Bill Sloan)** and Knochel Brothers, Inc. received an Arizona Transportation Partnering Excellence Award in the Construction Category for a \$5 million to \$25 million roadway. The 2-mile construction of **Gavilan Peak Parkway**, from Carefree Highway to the Joy Ranch Road alignment, with Cloud Road and a Pioneer Road connection. The completed roadway provided a scenic, alternate connection from Anthem to Carefree Highway paralleling the I-17.

Gannett Fleming is celebrating its 95th year of providing innovative engineering solutions and award winning projects in the transportation and environmental markets. The firm has evolved from a two-man office at its inception, to its current

structure of a multi-disciplined group of companies who has performed engineering services on thousands of diverse assignments in all 50 states, the District of Columbia, the U.S. Virgin Islands, Puerto Rico, and 51 other countries.



Why ASHE?

Membership in ASHE is an investment in you. Like many other investments you make, you can't necessarily predict when or what the return may be; you simply know that over time, the investment will pay off. In addition to personal enrichment and broadening your skill sets, ASHE will enhance you as an employee. You have access to a national network focused on the professional development and promotion of engineering professionals across all modes of transportation. Through ASHE you have access to networking, networking and more networking.

Please contact Maher Osman at mosman@cei-az.com or Yung Koprowski at ykoprowski@lee-eng.com if you have any questions, need additional information, or need an application to join. Annual renewal time is upon our members, be watching for an electronic email from Susie Mason our Treasurer. Please send you checks to her at Gannett Fleming, 4722 N. 24th Street, Suite 250, Phoenix, AZ 85016-4852. Include any contact information. GO TEAM ASHE!!

Featured Transportation Project

Finding \$'s When \$'s are Scarce

Background

The I-10 Corridor between the Cities of Phoenix and Tucson serves as the backbone for the Arizona Sun Corridor, a megapolitan area which is projected to have over 10 million residents by 2050. Currently, I-10 is the most heavily traveled intercity roadway in the state, carrying over 40,000 vehicles per day as a main commercial truck route for east-west national freight movement as well as connecting Arizona's two largest metropolitan areas, Phoenix and Tucson. The demands on this 50-year-old, four-lane facility (2 lanes in each direction) are extremely large and continue to grow.

Recognizing the immediate need to add capacity to the facility, the Arizona Department of Transportation (ADOT) embarked on an interim widening program to add a third travel lane in each direction. As part of this program, the Department also looked to enhance safety by implementing median cross-over deterrence devices and to rehabilitate the existing pavement for the 85-mile section between the Phoenix and Tucson urban areas.

But from where was the funding for this considerable undertaking going to come? Projects from around the state were competing for funding from conventional sources. And these conventional funding sources were seeing declines in revenue. If the interim improvements to this corridor were going to be implemented in a timely manner, other sources of revenue were going to be needed.



BEFORE



AFTER

STAN to the Rescue!

Prior to the economic downturn, the Arizona State Legislature decided to utilize excess General Funds to accelerate critical transportation projects throughout the State. ADOT identified the Pinal Air Park to Picacho Peak section of I-10 as a prime candidate for applying these additional funds, commonly referred to as STAN funds (Statewide Transportation Acceleration Needs). Working with ADOT Statewide Project Management and Tucson District Staff, Parsons Brinckerhoff (PB) accelerated the design of this 12-mile section of I-10 for a June 2007 bid opening. The Ashton Company of Tucson was the low bidder, submitting a bid of approximately \$42 million to:

- Construct a third lane in each direction of travel
- Construct two new I-10 bridges over Picacho Peak Road and reconstruct the entire Picacho Peak TI
- Implement temporary concrete barrier in the median to improve safety
- Overlay 48 lane miles of existing I-10 with new asphalt
- Rehabilitate the signing for both directions of interstate travel
- All of these improvements took place while maintaining two lanes of interstate traffic in each direction.

Featured Transportation Project (continued)

ARRA time!

In Spring 2009, with the nation in the throes of the worst economic downturn since the 1930's, Congress enacted the American Recovery and Reinvestment Act (ARRA) to stimulate the economy through construction of transportation projects nationwide. Due to the urgency of getting dollars flowing in the nation's economy, the program required obligation of ½ of a State's ARRA funds allotment within 90 days of the bill signing. All requirements for normal federal aid projects remained intact, including the need for environmental, right-of-way and utility clearances. ADOT immediately looked to the I-10 corridor for candidate projects. Parsons Brinckerhoff recommended splitting out the 5.7-mile section between Picacho Peak and the Town of Picacho for utilization of ARRA funds. This section of I-10, which had been part of the Picacho Peak to SR 87 TI project, had all of the necessary clearances and plans at a completion level that would allow for preparation of a PS&E package to meet the restricted timeframe. In June 2009, the Ashton Company submitted the low bid of \$13 million to add a third lane in each direction of travel and overlay the existing roadway with new asphalt. The project, which is currently under construction, is scheduled for completion in Fall 2010.

Don't lose that funding!

With the current bidding climate for transportation projects at historic lows, there were significant bid savings from projects throughout the state. ADOT again turned to the I-10 corridor as a location where bid savings from all funding sources could be immediately applied to improve the state transportation system and utilize funds that would be lost if not obligated and spent within prescribed timeframes. In August 2009, Parsons Brinckerhoff was selected to design the 13-mile Val Vista Road to Interstate 8 section of I-10. Working jointly with ADOT, the PB team committed to completing the design and securing the necessary clearances to advertise the 9.5-mile segment between Val Vista Road and Early Road for bid in June 2010 in order to take advantage of bid saving funds. Currently, ADOT has set aside approximately \$54 million to construct the roadway, drainage and traffic improvements planned for this segment of I-10.

Working cooperatively with federal, state and local agencies, ADOT and PB have been able to take advantage of over \$100 million of alternative funding to improve the capacity, safety and ride-ability of more than 27 miles of the 85-mile I-10 corridor between Tucson and Phoenix.

Funding Update

Beyond Arizona, we all need to be thinking about where the highway industry is headed. House Transportation Committee Chairman Jim Oberstar (D-Minn.) has a \$500 billion reauthorization bill on the table. Since user fee increase discussions have not gained widespread support so far this year, Chairman Oberstar is floating the idea to use federal bonds to pay for the HTF shortfall for three years until the economy rebounds and Congress can raise the user fee to make the highway and transit program self-sustaining.

The Senate Environment and Public Works Committee began hearings on reauthorization in March. This is more than they did all last year. The committee staff indicates that they have been working on a bill. The good news is that the Senate is beginning the process of writing a bill. Senator Voinovich secured a commitment from Senate Majority Leader Reid (D-Nev.) during the HIRE Act debate that Reid would have a floor vote on a highway/transit bill reauthorization this year. The Administration said in March that they would produce their "reauthorization principles" within 90 days. US DOT Secretary LaHood is on record saying the Administration expects to pass a reauthorization bill this year.

All of these developments lead us to be optimistic. The good news is that when writing this there appears to be movement on a federal surface transportation authorization. The uncertain news is that by the time you read this, with the winds of politics this could all have changed.

Newsletter Sponsors

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.

phoenix 602-997-6391	flagstaff 928-526-6681	show low 928-532-7773	tucson 520-514-9411
-------------------------	---------------------------	--------------------------	------------------------

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

602.454.0402 www.aztec.us

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

 **SUNRISE ENGINEERING**

Serving the Western U.S. Since 1978
Transportation, Civil Engineering & Surveying Services
www.sunrise-eng.com

2152 S. Vineyard, Suite 123 Mesa, Arizona 85210 TEL 480.768.8600 FAX 480.768.8609	414 S. Beeline Hwy., Suite 1 Payson, Arizona 85541 TEL 928.474.4404 FAX 480.768.8609
--	---

 **MORRISON MAIERLE, INC.**
An Employee-Owned Company

Transportation, Civil & Survey Services

Phoenix (602) 273-2900
Tucson (520) 572-5400
Salt Lake City (801) 495-0518

www.m-m.net

2390 E. Camelback Road
Suite 403
Phoenix, Arizona 85016
www.hilgartwilson.com

hilgartwilson
ENGINEERS • PLANNERS • SURVEYORS

t: 602.490.0535
f: 602.325.0161
c: 602.694.2751

Serving the transportation industry with innovative solutions and on time projects since 1954.

Urban & Rural Highway Design
Interchange Planning & Design
Project & Construction Management
Environmental & Sustainable Solutions

8211 South 48th Street
Phoenix, Arizona 85044
(602) 438-2200

 **Stantec**

Global Expertise. Local Strength.

Has your firm advertised in this issue? Contact Dawn Fortuna (dawn.fortuna@jacobs.com) to get all the details on how you can take advantage of this opportunity and participate in our quarterly newsletter.

Newsletter Sponsors (continued)



4600 E. WASHINGTON STREET, SUITE 430
PHOENIX, ARIZONA 85034
602-678-5151

DAVID EVANS
AND ASSOCIATES INC.

- ROADS/HIGHWAYS
- TRANSPORTATION ENGINEERING/PLANNING
- TRAFFIC ENGINEERING
- TRANSIT

Web: WWW.DEAINC.COM
Email: caho@deainc.com



Austin Bridge & Road
An Austin Industries Company

Building the nation's transportation infrastructure for more than 90 years.

We provide quality, innovative and cost saving services: General Contracting, CMAR, Design-Build, Preconstruction Services, Project and Construction Management, and Materials.

2538 East University Drive, Suite 200, Phoenix, Arizona 85034
602.267.1967 www.austin-ind.com



Arizona's leader in providing comprehensive traffic engineering design and transportation planning and analysis.

Signals Lighting Traffic Calming Transportation Modeling

3838 North Central Avenue Ste 1810 Phoenix, Arizona 85012
p 602.266.SWTE (7983) f 602.266.1115 www.swte.us

Has Your Firm Advertised in This Issue?

Here's your chance to get in on the ground floor of our quarterly publication!!!!

Contact Dawn Fortuna 602-650-4016
(Dawn.Fortuna@jacobs.com)
To get all the details on how you can take advantage and participate in our newsletter. The yearly cost for advertisement is only \$100

HELPING BUILD THE FUTURE

More than 50 years as one of the nation's largest, full-service right of way firms, partnering with engineering firms, serving government agencies, energy, utility, and communication companies.

Let's work together.



For more information, contact:
Vance Tuttle, Regional Manager,
3838 North Central Avenue, Suite 1400
Phoenix, AZ 85012-1986
(602) 604-8118 • (866) 574-9961

Partnership and employment inquiries welcome.



Newsletter Sponsors (continued)

Your Advertisement Here!
Become a Sponsor Now!
Find Out More...



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



CEI Consultant Engineering, Inc.

- Project Management
- Construction Management
- Inspection Services
- Survey
- ROW Permitting Services
- Acquisition & Relocation

CEI, the largest locally-owned consulting company in Arizona, is looking for certified Inspectors and REs with ADOT and valley experience.
Email resume to: mosman@cei-az.com



PARSONS BRINCKERHOFF
125 YEARS

Program Management • Strategic Consulting
Construction Management • Design
Planning • Operations & Maintenance

1501 W. Fountainhead Pkwy Suite 400
Tempe, AZ 85282
480-966-8295

177 North Church Ave Suite 500
Tucson, AZ 85701
520-882-6424

For career opportunities or more information about Parsons Brinckerhoff (PB), please visit
www.pbworld.com



FULL-SERVICE ENGINEERING SINCE 1967



Kimley-Horn and Associates, Inc. WWW.KIMLEY-HORN.COM

7878 N. 16th Street, Suite 300 | Phoenix, AZ 85020 | P: 602.944.5500 | F: 602.944.7423




HUITT-ZOLLARS | *We Deliver.*
Engineering ■ Architecture ■ Survey
Construction Management



- Transportation
 - Aviation
 - Highways
 - Rail
 - Transit
- Public Works
 - Streets
 - Utilities
 - Flood Control
 - Institutional
- Federal
 - MILCON
 - Airfields
 - Border Security

← US 191 Widening, Segment III, Graham County, AZ
ADOT's 2009 Transportation Partnering Excellence Award.
2009 ACEC Engineering Excellence Honor Award

(P) 602.952.9123 www.huitt-zollars.com 426 N 44th Street, Ste. 300
Phoenix, AZ 85008



Shaping the Future 

- Highway Studies & Design
- Environmental
- Construction Management
- Geotechnical
- Materials Engineering & Testing

Did you know that AMEC...
has 21,000 people in 40 countries - but is focused on you. We find solutions in sensitive and challenging environments and provide local access to our skills across the world.

amec.com

Your Advertisement Here!
Become a Sponsor Now!
Find Out More...