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AUGUST 7-9, 2019



**STATEWIDE CONFERENCE**  
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#AZAPWACONFERENCE

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# WELCOME TO THE CONFERENCE

Thank you for choosing to attend the 2019 Arizona Chapter American Public Works Association (APWA) Statewide Conference. On behalf of the Conference Planning Committee and Arizona Chapter APWA Board of Directors, welcome to the Hilton El Conquistador Tucson. Instead of a conference theme, we will be using the tag line “Celebrating Public Works - Leadership, Infrastructure, Community”. We feel this summarizes what the conference is all about. People involved in public works take great pride in their work and the value it brings to their communities. This conference honors public works’ successes and provides educational and networking opportunities to build stronger communities and industry leaders.

Special thanks to our 2019 Statewide Conference Planning Committee members. You truly are our greatest asset and we could not have accomplished a conference this large without your leadership and endless hours of dedication. Also, thank you attendees, speakers, sponsors, and exhibitors for bringing your expertise and support to the Arizona Chapter of APWA.

**Your Conference Co-Chairs,**  
**Christy Sipos, CPSM, Civiltec Engineering, Inc.**  
**Scott Kirchhofer, Achen-Gardner Construction**

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# GENERAL INFORMATION / MAP

**OPENING RECEPTION:** Start your conference off and renew acquaintances by attending this reception on Wednesday from 5:00 to 7:00 p.m. in the Exhibit Hall/ Turquoise Ballroom.

**EXHIBITORS & EXHIBITOR PRIZES:** Ample opportunity is available for visiting with representatives of public agencies, consultants, manufacturers, and suppliers in the Exhibit Hall/ Turquoise Ballroom. All refreshment breaks and Thursday and Friday breakfasts will be in the Exhibit Hall. Exhibitors will be giving away their prizes on Friday from 8:15 a.m. to 9:00 a.m.

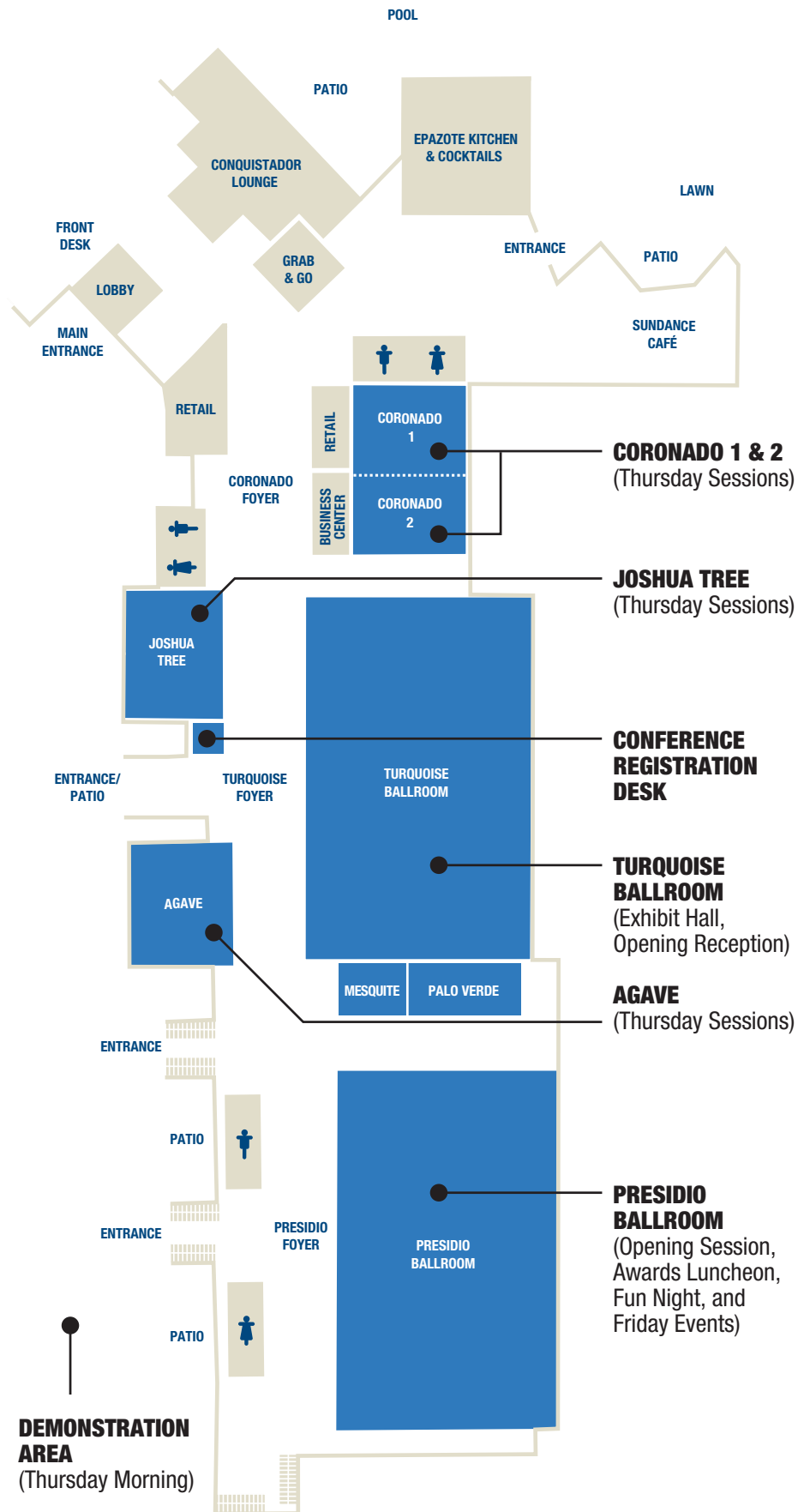
Get your game card stamped by exhibitors in the exhibit hall and drop it off at the registration desk by 9 a.m. on Friday. Winners will be announced in the Presidio Ballroom from 10:15 a.m. to 10:30 a.m. You do not need to be present to win.

**APWA AWARDS LUNCHEON:** Join the largest gathering of attendees at the conference on Thursday in the Presidio Ballroom to celebrate the Project of the Year Award winners and Outstanding Public Works Employee of the Year winner.

**FUN NIGHT:** The Thursday “Fun Night” will be an indoor carnival theme with midway games, caricature artist, fortune teller, jugglers, hoop dancers, sliders and corn dogs, chocolate dipped cheesecake, cotton candy, and more. Additional guest tickets are available at the registration desk.

**GRAND PRIZE DRAWING:** Attend the Friday keynote and you will receive a ticket for a chance to win one of several high-dollar grand prizes. You must be present to win.

**SURVEY:** Your feedback is critical to helping us meet your needs and improve future conferences. An online survey will be distributed after the conference. We appreciate your honest feedback.



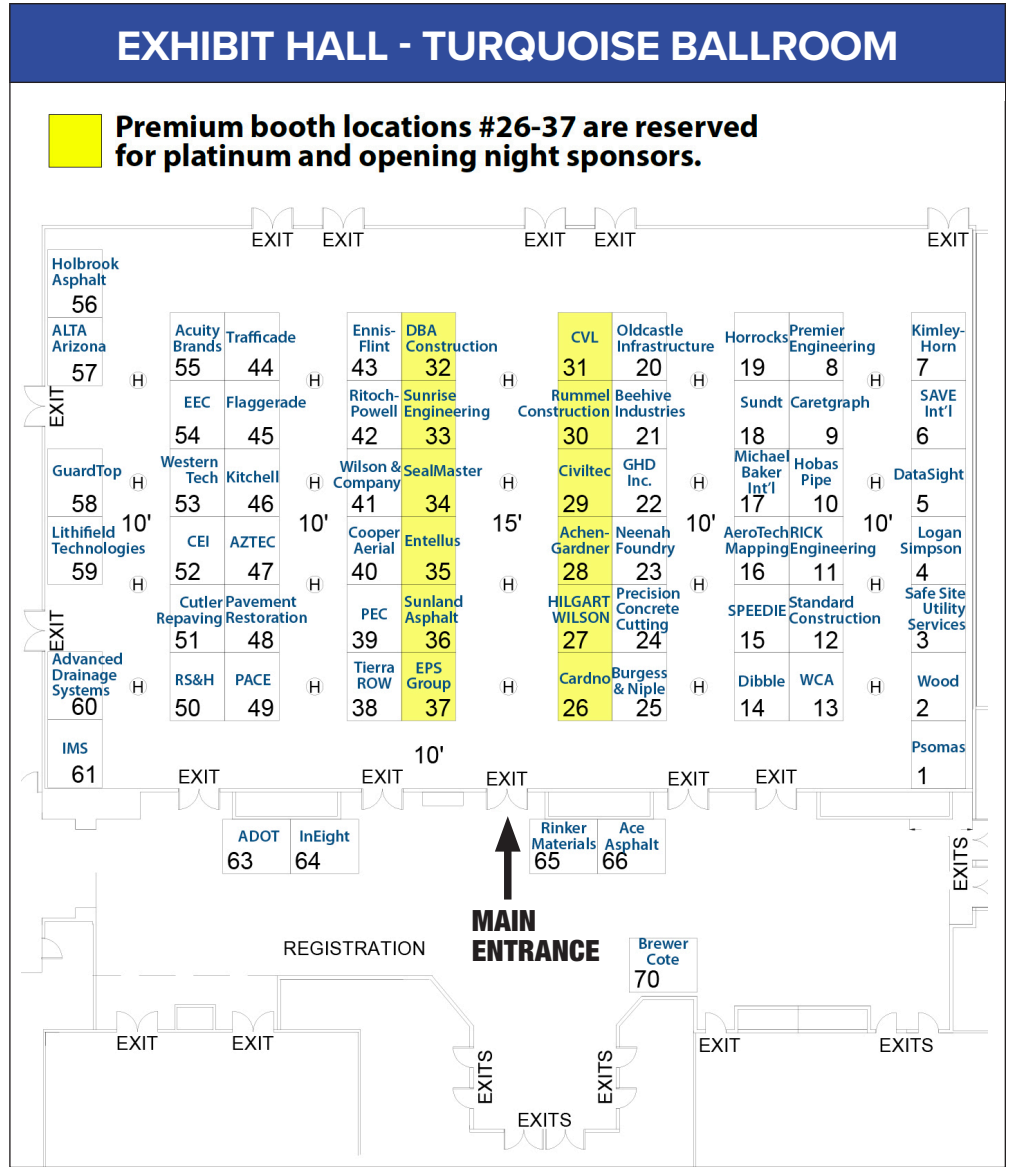
# CONFERENCE SCHEDULE

SEE PAGES 6-16 FOR MORE INFORMATION ABOUT EACH SESSION/EVENT

Time					WEDNESDAY, AUGUST 7, 2019 Exhibit Hall Hours 5:00 pm - 7:00 pm				
8:00 am - 12:00 pm					The ABCs of Value Engineering - Joshua Tree (\$25 Separate Cost; Register at <a href="http://projectteamintegration.com">http://projectteamintegration.com</a> )				
3:00 pm - 6:00 pm					Registration Desk Open - Turquoise Foyer				
5:00 pm - 7:00 pm					Opening Reception - Turquoise Foyer/Ballroom				
Time					THURSDAY, AUGUST 8, 2019 Exhibit Hall Hours 7:30 am - 5:00 pm				
7:30 am - 6:30 pm					Registration Desk Open - Turquoise Foyer				
7:30 am - 8:30 am					Exhibit Hall Networking - Turquoise Foyer/Ballroom / Breakfast - Turquoise Ballroom				
8:30 am - 9:50 am					<b>Welcome Remarks</b> - Rob Kidder, Arizona APWA Chapter President, and Mayor Joe Winfield, Town of Oro Valley <b>Keynote Speaker</b> - Steve Correia - "Become a Geek Who Can Speak"				
10:00 am - 10:30 am					Exhibit Hall Networking - Turquoise Foyer/Ballroom / Morning Break - Turquoise Ballroom				
Time		CORONADO 1		CORONADO 2		JOSHUA TREE		AGAVE	
10:30 am - 11:00 am		<b>Alternate Delivery Method After 20 Years: So Much has Changed While Staying the Same</b> Danielle Feroletto, Small Giants		<b>Leveraging Infrastructure Investment in Connection with Economic Development</b> Benny Young, Pima County Public Works		<b>ADA Transition Plan - Pilot Study</b> Chris Ewell, Phoenix; Suresh Raghavendra, AECOM; Dick Yano, Wood		<b>Change: It's Not All That Scary</b> Wendy Rabel, Stantec	
11:00 am - 11:30 am		<b>Getting Public Projects Planned, Designed and Built</b> Rob Kidder, Mesa; Kini Knudson, Phoenix; Marilyn DeRosa, Tempe; Dick Yano, Wood		<b>Tangerine Road: A CMAR Case Study for Successful Delivery of Public Infrastructure</b> Moderator: Morris Reyna, Town of Marana; Panelists: Tom Houle, Jose Rodriguez, Rick Ellis, Sean Samsel, Jason Simmers, Andrew Rogers, Joel Harris		<b>Constructing the Superior Road Base with Soil Lithification</b> Robert Sherwin, Lithifield Technologies		<b>Evaluating the Potential for Existing &amp; Future Water Recycling in AZ</b> Doug Kobrick, Hazen & Sawyer	
11:30 am - 12:00 pm						<b>Town of Gilbert's First Major Horizontal Directional Drilling of Gravity Sewer Saves Time, Money, and Stakeholder Impacts</b> Brian Froelich, Achen-Gardner Construction; Ricky Holston, Sunrise Engineering		<b>Infrastructure - What Lies Below is What We Know</b> Al Field, Al Field & Associates	
12:15 pm - 1:30 pm					APWA Awards Luncheon - Presidio Ballroom				
1:30 pm - 2:00 pm					Exhibit Hall Networking - Turquoise Foyer/Ballroom				
2:00 pm - 2:30 pm		<b>Impacting Public Works at Different Stages of Our Careers</b> Moderators: Casey Ambrose and Angel Cobb, City of Phoenix; Panelists: David Fabiano, Chris Hamilton, Alisa Doll, Hunter Venne, Dave Sabers, Kim Carroll, Corey Steele, Jason Snider		<b>Improve Your World From The Bottom Up</b> Steve Correia, CorreiaSpeaks		<b>Maximizing the Efficiency of Design-Build: How to Complete a Major Project in 180 Days</b> David Badger, Pima County		<b>How to Have a Pain Free Surveying Project</b> Nathan Gardner, Wilson & Company	
2:30 pm - 3:00 pm						<b>Creative Partnerships Used to Complete Our Roadways in Phoenix</b> Mark Melnychenko, City of Phoenix		<b>Agents of Change: Two Arizonans' Experience with APWA Emerging Leaders Academy - Class XI</b> Roy Flores, Pima County; Jack Plaunty, City of Kingman	
3:00 pm - 3:30 pm					Exhibit Hall Networking - Turquoise Foyer/Ballroom / Afternoon Break - Turquoise Ballroom				
3:30 pm - 4:00 pm		<b>50 Shades of Leadership</b> Barbara Shuck, Everest Marketing		<b>Upping your Utility Coordination to the Next Level: Successful Partnerships!</b> Sandi Garrick, Pima County		<b>A Selection Dilemma: Traffic Signal or Roundabout for Improving Safety &amp; Reducing Delay at Rural Arizona Intersection</b> Sami Ayoub, Yuma County; Sanjay Paul, Rick Engineering		<b>Pima Intersection Control Evaluation Spreadsheet (PICES)</b> Steve Wilson, Pima County DOT; Felipe Ladron de Guevara, Kittelson	
4:00 pm - 4:30 pm						<b>The Kelvin Bridge Project: 20 Years in the Making</b> Joe Ortiz, Pinal County; Alberto Gonzalez, Entellus, Matt Denker, Pulice Construction		<b>Using Progressive Design Build and Trenchless Technology to Complete a Difficult Project</b> Thomas Paul, Mortenson Construction	
4:30 pm - 5:00 pm					Exhibit Hall Networking - Turquoise Foyer/Ballroom				
5:30 pm - 7:30 pm					Fun Night (Carnival Theme) - Presidio Ballroom				
Time					OUTDOOR DEMONSTRATIONS: THURSDAY, AUGUST 8, 2019				
7:30 am - 8:30 am					<b>Demonstration of Pressure Pipeline Rehabilitation Using Primus Line</b> , Chris MacDonald, Construction Product Marketing; Ken Kawamoto, Achen-Gardner Construction; Eric Laurin, CVL				
10:30 am - 11:15 am					<b>Soils and Seismic Hands on Demonstration - Learn Typical Soil Types</b> , Kelby Williams and Debbie Parkins, Western Technologies				
11:15 am - 12:00 pm					<b>Work Zone Safety</b> , David Heiman, Armando Garcia, and Jesus Nunez, Trafficade				
Time					FRIDAY, AUGUST 9, 2019 Exhibit Hall Hours 7:30 am - 9:00 am				
7:30 am - 11:30 am					Registration Desk Open - Turquoise Foyer				
7:30 am - 9:00 am					Exhibit Hall Networking - Turquoise Foyer/Ballroom / Breakfast - Turquoise Ballroom				
8:15 am - 9:00 am					Exhibit Hall Vendor Prize Giveaways - Turquoise Ballroom				
9:15 am - 10:15 am					<b>Keynote Speaker</b> - Kristy Bidwill, "Reaching The Unimaginable: The Power of Leading With Purpose"				
10:15 am - 10:30 am					APWA Giveaway Drawings - Presidio Ballroom				
10:30 am - 12:00 pm					Agency Showcase: Networking With Owners, Project Managers, and Decision Makers - Presidio Ballroom				

# EXHIBITORS / EXHIBIT HALL MAP

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**ASK EXHIBITORS TO STAMP YOUR GAME CARD FOR A CHANCE TO WIN A PRIZE!**

# WEDNESDAY DETAILS 08/07/19

8:00 AM - 12:00 PM

**THE ABCs OF VALUE ENGINEERING (Joshua Tree)**

**Description:** This is a half-day course designed to introduce the value methodology to a wide-range of attendees. The course is being offered by SAVE International, Arizona Chapter at a cost of \$25. All proceeds will be donated to the Arizona Chapter APWA Scholarship Fund.

3:00 PM - 6:00 PM

**REGISTRATION DESK OPEN (Turquoise Foyer)**

5:00 PM - 7:00 PM

**OPENING RECEPTION SPONSORED BY CARDNO (Turquoise Foyer/Turquoise Ballroom)**

**Description:** Your first chance to mingle with exhibitors and attendees. Food and drinks include:

- Vegetable Crudit , Assorted Cheeses, Dried Fruits, Crackers, and Assorted Breads
- Panko Crusted Risotto Nuggets with Fig Balsamic
- Veggie Spring Rolls with Plum Sauce
- Chicken Quesadilla Trumpets
- Bacon Wrapped Potato Wedges with Cotija Cheese and Sour Cream
- Chips, Salsa, and Guacamole
- Margarita Punch

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# THURSDAY DETAILS 08/08/19

7:30 AM - 6:30 PM

**REGISTRATION DESK OPEN (Turquoise Foyer)**

7:30 AM - 8:30 AM

**BREAKFAST AND EXHIBIT HALL NETWORKING (Turquoise Foyer/Turquoise Ballroom)**

*Breakfast Sponsored by NO-DES, Rick Engineering, SWP Contracting & Paving, and Western Technologies. Coffee Sleeves Provided by Terracon.*

- Chef's Made-To-Order Scrambled Eggs with a Variety of Toppings
- Yogurt Parfaits, Whole Fresh Fruit, Juice, Coffee & Herbal Teas

7:30 AM - 8:30 AM

**OUTDOOR DEMONSTRATION (Outside Across From The Presidio Ballroom)**

**Title:** Demonstration of Pressure Pipeline Rehabilitation Using Primus Line

**Presenters:** Chris MacDonald, Construction Product Marketing; Ken Kawamoto, Achen-Gardner Construction; Eric Laurin, CVL

**Description:** Join CPM, AGC, and CVL for a presentation/demonstration of Primus Line, an innovative pipeline rehabilitation product. Primus Line is a polyethylene lined and coated Kevlar product that has been used around the world for more than 15 years. The presenters will show how this material can be installed in a variety of pressure pipeline rehabilitation applications and discuss recent installations including the award-winning City of Peoria Thunderbird Road 16" Water Main Rehabilitation Project.

8:30 AM - 9:50 AM

**OPENING SESSION: WELCOME REMARKS AND KEYNOTE (Presidio Ballroom)**


**Welcome Remarks:** Rob Kidder, Arizona APWA Chapter President, and Mayor Joe Winfield, Town of Oro Valley

**Keynote Speaker:** Steve Correia is the founder of CorreiaSpeaks, a speaking and coaching consultancy that aspires to help humans become compelling communicators. When you adopt a growth mindset, increase your empathy and openness towards others, and learn how to exercise your communication muscles, you become a better human. Period. And we could use more better humans in the world today.

A professional computer geek since 1992 who has played many technical roles in numerous industries, Steve has also taught college-level communication classes, led marriage and parent classes, refereed ice hockey, and performed as a cast member of the Arizona Renaissance Festival. Steve will leverage his diverse background to present Thursday's keynote "Become a Geek Who Can Speak".

Geeks are committed to their chosen craft. They are critical to identifying, diagnosing, and solving problems in all areas of life. No matter the type, style, or task, geeks have one thing in common: They usually suck at communicating to people outside their universe. How can geeks stop insulting their clients? How can geeks leave their non-geek clients delighted instead of deflated? And what if you're that geek? Buckle up for an energizing, entertaining, and enlightening keynote that will show you how changing your mindset and increasing your communication competence will allow your geek-ness to shine without crushing your client's soul.


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# THURSDAY DETAILS 08/08/19

10:00 AM - 10:30 AM

## **MORNING BREAK AND EXHIBIT HALL NETWORKING (Turquoise Foyer/Turquoise Ballroom)**

*Break Sponsored by NO-DES, Rick Engineering, SWP Contracting & Paving, and Western Technologies. Coffee Sleeves Provided by Terracon.*

- Sea Salt and Caramel Brownies, Cookies
- Coffee, Herbal Tea, and Iced Tea

10:30 AM - 11:00 AM

## **ALTERNATE DELIVERY METHOD AFTER 20 YEARS: SO MUCH HAS CHANGED WHILE STAYING THE SAME (Coronado 1)**

**Presenter:** Danielle Feroletto, Small Giants

**Description:** In this session we will discuss the design of the ARS for Alternate Delivery Methods and how work is procured in this format, with the presentation speaking to agencies maintaining an understanding of how to be compliant in the procurement method and how A/E/C firms can best prepare competitive SOQ responses and interviews.

## **LEVERAGING INFRASTRUCTURE INVESTMENT IN CONNECTION WITH ECONOMIC DEVELOPMENT (Coronado 2)**

**Presenter:** Benny Young, Pima County Public Works

**Description:** Benny will outline several case studies where strategic public works infrastructure investment has directly or indirectly contributed to job creation, community development, and tax base expansion in the furtherance of local and regional economic development objectives. The presentation will recap a mix of completed projects as well as initiatives presently in progress, including: Downtown Tucson's Resurgence; Development of Kino 'South' Sports Complex; and Redevelopment in South Tucson. In addition to the importance of supporting infrastructure, Benny will summarize the applicability and advantages of other related incentives such as tax increment financing, GPLET (Government Property Lease Excise Tax) programs, and Federal Opportunity Zones.

## **ADA TRANSITION PLAN - PILOT STUDY (Joshua Tree)**

**Presenters:** Chris Ewell, City of Phoenix; Suresh Raghavendra, AECOM; Dick Yano, Wood

**Description:** Through T2050 Program Management, the City of Phoenix completed a pilot project to perform ADA self-evaluation, which complied with Title II requirements, within the public right-of-way in a four-square mile area. The study included data collection using ground-based LiDAR, data extraction into a GIS database, and compliance analysis against ADA requirements. In addition, an ADA Transition Plan outline was prepared to summarize the results of the study, define potential options to perform ADA self-evaluation, and develop a comprehensive ADA transition plan for the City.

## **CHANGE: IT'S NOT ALL THAT SCARY (Agave)**

**Presenter:** Wendy Rabel, Stantec

**Description:** Change is a natural occurrence. It's a part of your personal life, it's a part of the workplace, and it happens on a regular basis. But the frequency with which it happens doesn't always make it easier. This presentation sheds some light on what it's like to deal with significant change in the workplace—we're talking office moves and leadership changes, not pencil brands and coffee supplies, as well as strategies for individuals to better deal with difficult alterations to their day-to-day work expectations. Wendy, who is certified in change management, shares an interactive, discussion-based presentation on managing change, expectations, and other potential shifts in the workplace.

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# THURSDAY DETAILS 08/08/19

10:30 AM - 11:15 AM

## **OUTDOOR DEMONSTRATION (Outside Across From The Presidio Ballroom)**

**Title:** Soils and Seismic Hands on Demonstration - Learn Typical Soil Types

**Presenters:** Kelby Williams and Debbie Parkins, Western Technologies

**Description:** In this presentation you will learn about and experience typical Arizona soil types, soil classifications, soil properties, and essential lab testing used to develop geotechnical recommendations. In addition, there will be an explanation and hands-on demonstration of seismic refraction survey, a useful tool for subsurface profiling. Seismic waves traversing through subsurface layers are charted in arrival velocities at the surface of the earth. This data is used to profile the subsurface layers in terms of subsurface densities and can be used to identify areas of difficult excavation.

11:00 AM - 12:00 PM

## **GETTING PUBLIC PROJECTS PLANNED, DESIGNED AND BUILT (Coronado 1)**

**Presenters:** Rob Kidder, City of Mesa; Kini Knudson, City of Phoenix; Marilyn DeRosa, City of Tempe; Dick Yano, Wood

**Description:** The focus for the panel will be the changing dynamics of getting public projects planned, designed and built. This will include the need to look beyond the technical solutions and to embrace the compromises and the solutions that work the best for the neighborhoods, concerned/impacted citizens, and the public in general.

## **TANGERINE ROAD: A CMAR CASE STUDY FOR SUCCESSFUL DELIVERY OF PUBLIC INFRASTRUCTURE (Coronado 2)**

**Moderator:** Morris Reyna, Town of Marana

**Panel Members:** Tom Houle, Town of Marana; Jose Rodriguez, Town of Oro Valley; Rick Ellis, Pima Association of Governments; Sean Samsel, Psomas; Jason Simmers, Kittelson & Associates; Andrew Rogers, Granite Construction; Joel Harris, Borderland Construction

**Description:** Tangerine Road is a primary regional transportation corridor providing a key linkage between I-10 in Marana and SR-77 in Oro Valley. The RTA funded Phase 1 project constructed five miles of four-lane divided roadway, four major intersections, 42 drainage structures, five wildlife crossings, and regional utility modifications. CMAR delivery was key in uniting the large project team that consisted of three agencies, seven design firms, numerous utility providers, 60 adjacent properties, and a joint venture partnership between two major contractors. Partnering as part of the CMAR process established mutual team goals and led to successful delivery of regional public works infrastructure.

11:00 AM - 11:30 AM

## **CONSTRUCTING THE SUPERIOR ROAD BASE WITH SOIL LITHIFICATION (Joshua Tree)**

**Presenter:** Robert Sherwin, Lithifield Technologies

**Description:** Until now, Soil Lithification has only been observed in nature as the process that takes thousands of years, whereby soil is slowly transformed into stone. Sand turns into sandstone, clay into slate and eventually all soil types turn into rock when conditions exist that include the presence of certain naturally occurring chemicals, heat, pressure, and time. Accelerated Soil Lithification is the revolutionary disruptive soil technology which forever changes road building standards. Accelerated Lithification is a chemical/energy combined process that creates rock-hard, water resistant road-base or road foundations in less than 24 hours that continue to harden over time. This results in higher quality, longer lasting roads at substantially lower costs to build and maintain.

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# THURSDAY DETAILS 08/08/19

## **EVALUATING THE POTENTIAL FOR EXISTING AND FUTURE WATER RECYCLING IN ARIZONA (Agave)**

**Presenter:** Doug Kobrick, Hazen & Sawyer

**Description:** Reclaimed water is touted as a major resource to help meet Arizona's water needs. However, Arizona already achieves a high level of water recycling. This presentation considers the possibility that water supply plans like ADWR's Strategic Vision may overestimate the potential of reclaimed water to meet increases in water demands, along with how supply and demand trends are causing shifts in the perceived value and priority of competing potential reuses of reclaimed water. Based on actual treatment plant information, the true level of water reuse in Arizona will be documented so the remaining potential of reclaimed water can be better understood.

11:15 AM - 12:00 PM

### **OUTDOOR DEMONSTRATION (Outside Across From The Presidio Ballroom)**

**Title:** Work Zone Safety

**Presenters:** David Heiman, Armando Garcia, and Jesus Nunez, Traffcade

**Description:** This demonstration will focus on Work Zone Safety, Smart Work Zones, and the direction of the industry as a whole. We will showcase the equipment used in traffic control, trench safety, and some of the new advancements in Smart Work Zones. The overall goal of this session is to talk about the advancement of equipment used and how it affects stakeholders involved in work zone safety. Stakeholders include agencies in charge of the project, the contractors awarded the project, and the general public traveling through the work zone.

11:30 AM - 12:00 PM

### **TOWN OF GILBERT'S FIRST MAJOR HORIZONTAL DIRECTIONAL DRILLING OF GRAVITY SEWER SAVES TIME, MONEY, AND STAKEHOLDER IMPACTS (Joshua Tree)**

**Presenters:** Brian Froelich, Achen-Gardner Construction; Ricky Holston, Sunrise Engineering

**Description:** This program will feature development highlights and lessons learned during the design and construction of the first major horizontal directional drilling of a gravity interceptor sewer in a key arterial roadway (Baseline Road) for the Town of Gilbert. This alternative method provided a significant time and cost savings to the Town while minimizing road closures and impacts to the public.

### **INFRASTRUCTURE - WHAT LIES BELOW IS WHAT WE KNOW (Agave)**

**Presenter:** Al Field, Al Field & Associates

**Description:** Much of our infrastructure lies below the surface. Most new infrastructure and improvements to existing infrastructure require excavation. Damage to existing infrastructure is possible, perhaps probable, unless you know what lies below the surface. How can you know what lies below? Best practices for excavation are available. Technology exists to identify precise locations of underground facilities. Laws requiring the implementation these technologies to prevent damages are enforced in all states. Be sure you are complying.

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# THURSDAY DETAILS 08/08/19

12:15 PM - 1:30 PM

## **APWA AWARDS LUNCHEON (Presidio Ballroom)**

*Sponsored by Ace Asphalt, Logan Simpson, Neenah Foundry.*

- Sonoran Caesar Salad, Parmesan Focaccia Bites, Crumble Creamy Peppercorn Dressing
- Chipotle Roast Sirloin of Beef, Braised Fennel with Mushrooms, Red Skin Potatoes, Broccolini
- Roasted Acorn Squash Stuffed with Charred Bell Peppers, Asparagus, Banana Squash, Adobo Spiced Quinoa, Onion, Tomato, Grilled Corn (Vegetarian Option)
- Tres Leches Cake

1:30 PM - 2:00 PM

## **EXHIBIT HALL NETWORKING (Turquoise Foyer/Turquoise Ballroom)**

2:00 PM - 3:00 PM

## **IMPACTING PUBLIC WORKS AT DIFFERENT STAGES OF OUR CAREERS (Coronado 1)**

**Panel Moderator:** Casey Ambrose, City of Phoenix

**Audience Moderator:** Angel Cobb, City of Phoenix

**Panel Team A:** David Fabiano, Town of Gilbert; Chris Hamilton, City of Goodyear; Alisa Doll, City of Chandler; Hunter Venne, Dibble Engineering

**Panel Team B:** Dave Sabers, CA Group; Kim Carroll, Kimley-Horn and Associates; Corey Steele, Strand and Associates; Jason Snider, Kimley-Horn and Associates

**Description:** Join the Diversity Committee as we explore, through a panel debate, how we impact public works at different stages of our careers. The panel will debate several statements discussing a Young Professionals impact, leadership impacts, and public and private sector impacts. Here's the catch: panel members won't know which side to defend until the day of. The audience will have an opportunity to provide their input and vote for the debate winner!

## **IMPROVE YOUR WORLD FROM THE BOTTOM UP (Coronado 2)**

**Presenter:** Steve Correia, CorreiaSpeaks

**Description:** Would you like to improve your team's willingness, empathy, mental agility, and listening skills? Improvisational skills can do just that. Tailored for non-theater audiences, this workshop teaches basic improv techniques in a safe, non-threatening manner. Improv exercises encourage you to receive and build upon what someone gives you. And being open to one another changes everything!

2:00 PM - 2:30 PM

## **MAXIMIZING THE EFFICIENCY OF DESIGN-BUILD: HOW TO COMPLETE A MAJOR PROJECT IN 180 DAYS (Joshua Tree)**

**Presenter:** David Badger, Pima County

**Description:** Selecting the appropriate delivery method and effectively managing the process can determine a project's success or failure. This presentation will focus on the Pima County RWRD's procedures, collaboration with the design engineering and general contractor, project challenges, lessons learned, best practices, and the advantages of using Design-Build to complete the Twin Peaks-Blue Bonnet Road Gravity Sewer project.

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# THURSDAY DETAILS 08/08/19

## **HOW TO HAVE A PAIN FREE SURVEYING PROJECT (Agave)**

**Presenter:** Nathan Gardner, Wilson & Company

**Description:** As our communities continue to grow and add new infrastructure, it is necessary to have data and knowledge on the what, where, and condition of current infrastructure. This usually requires an asbuilt survey. There are many ways to complete this task and many new methods and techniques are available. Just because “they” got a drone survey, LiDAR mapping, or scanning, doesn’t mean that is right for your project. Choosing the wrong technique or method to get the information needed can end up being a painful experience both with time and finances. Come find out what tools and methods make the most sense when considering the needs of your project.

2:30 PM - 3:00 PM

## **CREATIVE PARTNERSHIPS USED TO COMPLETE OUR ROADWAYS IN PHOENIX (Joshua Tree)**

**Presenter:** Mark Melnychenko, City of Phoenix

**Description:** With limited resources and a growing city that requires road improvements for a vital transportation network, the City of Phoenix Street Transportation Department is partnering with area developers in high growth areas to complete sections of scalloped streets. Patterns of development coupled with annexation create ‘scalloped streets’ on many arterials. To address these incomplete roads, Phoenix has initiated two unique Public Private Partnerships to complete sections of arterial roadways in two of the City’s high growth areas and reintroduced the concept of an updated Scalloped Streets Policy to gather reimbursement from developers for roadway improvements completed by the City prior to land development.

## **AGENTS OF CHANGE: TWO ARIZONANS’ EXPERIENCE WITH APWA EMERGING LEADERS ACADEMY - CLASS XI (Agave)**

**Presenters:** Roy Flores, Pima County; Jack Plaunty, City of Kingman

**Description:** Come and learn about APWA’s Emerging Leaders Academy (ELA) from the perspective of two recent Arizona graduates. They will talk about the selection process, program objectives, commitment requirements, why they participated in the program, how the program has helped their public works professional careers, and why you or your staff should apply for the ELA program if you meet the eligibility criteria. They will also briefly share part of their group presentation from PWX 2018 in Kansas City, MO, which discussed four socioeconomic issues affecting public service organizations – culture, generational differences, perception, and technology.

3:00 PM - 3:30 PM

## **AFTERNOON BREAK AND EXHIBIT HALL NETWORKING (Turquoise Foyer/Turquoise Ballroom)**

*Break Sponsored by NO-DES, Rick Engineering, SWP Contracting & Paving, and Western Technologies. Coffee Sleeves Provided by Terracon.*

- Pretzel Bites with Mustard and Cheese Sauce
- Coffee and Iced Tea

3:30 PM - 4:30 PM

## **50 SHADES OF LEADERSHIP (Coronado 1)**

**Presenter:** Barbara Shuck, Everest Marketing

**Description:** Leadership is not black and white, and it takes an open mind, a commitment to learning, and an attitude to embrace change and learn what it takes to lead. From entry to beginning to senior levels of experience, everyone wants to learn more about managing careers and achieving goals and aspirations. This workshop promises to deliver practical leadership content and exercises.

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# THURSDAY DETAILS 08/08/19

**UPPING YOUR UTILITY COORDINATION TO THE NEXT LEVEL: SUCCESSFUL PARTNERSHIPS! (Coronado 2)**

**Presenter:** Sandi Garrick, Pima County

**Description:** Utility conflicts and relocations continue to be the number one cause of schedule delays and project cost overruns for public works projects. However, developing and maintaining strong partnerships between public agencies and utility providers before conflicts arise is the key to success, and includes the reduced cost and faster delivery of projects. The presenter and panelists will share their experiences and practical ideas for strengthening collaboration between public agencies and utility providers.

3:30 PM - 4:00 PM

**A SELECTION DILEMMA: TRAFFIC SIGNAL OR ROUNDABOUT FOR IMPROVING SAFETY AND REDUCING DELAY AT RURAL ARIZONA INTERSECTION (Joshua Tree)**

**Presenters:** Sami Ayoub, Yuma County; Sanjay Paul, Rick Engineering

**Description:** Yuma County and Rick Engineering completed a feasibility study where a series of traffic signal and roundabout options were developed and evaluated both qualitatively and quantitatively to improve existing safety and operational issues with stop control situation on a rural major intersection. The quantitative analysis estimated lifecycle costs and benefits which included costs for planning and designing, construction, and continuous operations and maintenance, and the benefits items are mainly safety improvement and reductions of delay, fuel consumption and greenhouse gas emissions. The qualitative analysis included public perception, affecting traveling public, adjacent property owners and utilities, as well as project execution time for the County.

**PIMA INTERSECTION CONTROL EVALUATION SPREADSHEET (Agave)**

**Presenters:** Steve Wilson, Pima County DOT; Felipe Ladron de Guevara, Kittelson

**Description:** PICES was developed by Pima County and Kittelson to evaluate intersection alternatives. The evaluation is based on a life-cycle cost analysis that accounts for user costs (delay and safety) and agency costs (construction, operations, and maintenance). PICES can be used to evaluate the following intersection alternatives: two-way stop, four-way stop, traffic signal, roundabout, continuous flow, Michigan left-turn, and unsignalized restricted crossing U-turn. The tool was developed in Visual Basic and has been used to evaluate several intersection treatments in Pima County.

4:00 PM - 4:30 PM

**THE KELVIN BRIDGE PROJECT: 20 YEARS IN THE MAKING (Joshua Tree)**

**Presenters:** Joe Ortiz, Pinal County; Alberto Gonzalez, Entellus; Matt Denker, Pulice Construction

**Description:** In 1916, Pinal County decided to build a single lane, 419 foot long bridge over the Gila River which connected the eastern side of the County to the central portion. Long known as the Kelvin Bridge, it officially became listed on the National Register of Historic Places in 1988 for its importance as a vital local transportation route and its proprietary structure type as a multi-span Luten arch bridge. However, after many years of wear and tear, it was time to replace the existing structure with a two lane overpass bridge. While an exciting project, it did not come without its challenges. After 20 years in the making, the new replacement bridge was opened with a ribbon cutting ceremony on June 8, 2018. This presentation will provide an overview of this unique public works project and include lessons learned from the perspective of the owner, engineer, and contractor.

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# THURSDAY DETAILS 08/08/19

**USING PROGRESSIVE DESIGN BUILD AND TRENCHLESS TECHNOLOGY TO COMPLETE A DIFFICULT PROJECT (Agave)**

**Presenter:** Thomas Paul, Mortenson Construction

**Description:** Mortenson Construction was selected by Clean Water Services of Portland, Oregon to install 10,000 LF of 60” and 66” interceptor along with two new three barrel siphons using Progressive Design Build procurement. The vast majority of the project site was designated as wetlands of various degrees and types. Two river crossings and one high quality wetland crossing were anticipated, but due to wetland constraints and permit requirements we needed to think outside the box. As a team we used innovation and our schedule to drive some very complex and difficult decisions. Our team arrived with three different types of trenchless technology which allowed us to comply with federal, state, and local permitting agencies, meet our schedule, and stay within budget.

4:30 PM - 5:00 PM

**EXHIBIT HALL NETWORKING (Turquoise Foyer/Turquoise Ballroom)**

5:30 PM - 7:30 PM

**FUN NIGHT SPONSORED BY STANTEC (Presidio Ballroom)**

**Description:** This event will be an indoor Carnival/Circus theme with games, food, music, and prizes. It will feature midway games, hoop dancers, jugglers, stilt walkers, a fortune teller, and a caricature artist.

**Food Includes:** Cream cheese stuffed jalapeños, vegetable crudité, mozzarella meatball and veggie sliders, corn dogs, walking tacos (taco meat and buffalo chicken dip with assorted toppings), chocolate dipped bananas, mini cupcakes, popcorn, cotton candy, and fresh squeezed lemonade.

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Midway Games	Chocolate Dipped Cheesecake	Walking Tacos
Hoop Dancers	Fortune Teller	Chocolate Bananas
Sliders & Crudites	Stuffed Jalapenos	Popcorn Cart
Jugglers & Stilts Walkers	Caricature Artist	Fresh Squeezed Lemonade

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# FRIDAY DETAILS 08/09/19

7:30 - 11:30 AM

**REGISTRATION DESK OPEN (Turquoise Foyer)**

7:30 AM - 9:00 AM

**BREAKFAST AND EXHIBIT HALL NETWORKING (Turquoise Foyer/Turquoise Ballroom)**

*Breakfast Sponsored by Gannett Fleming and West Coast Arborists. Coffee Sleeves Provided by Terracon.*

- Make Your Own Breakfast Burrito
- Banana Nut Bread, Zucchini Bread, Seasonal Fresh Fruit
- Juice, Coffee, and Herbal Tea

8:15 AM - 9:00 AM

**EXHIBIT HALL VENDOR PRIZE GIVEAWAYS (Turquoise Ballroom)**

*Sponsored by Gannett Fleming and West Coast Arborists*

**Description:** Exhibitors can draw/announce their drawing winners.

9:15 AM - 10:15 AM

**KEYNOTE (Presidio Ballroom)**

**Keynote Speaker:** Kristy Bidwill, "Reaching The Unimaginable: The Power of Leading With Purpose"

**Description:** Kristy Bidwill, founder of Game Time Coaching, speaker, coach, and author will take you through her six-year journey of self-discovery captured in her book, *Becoming Unstoppable: Tools to Elevate Your Game*. During Friday's keynote she will inspire and empower you by revealing the tools that led her to living intentionally and ultimately, a life she dreamed.

She will take you through the adversity of breaking her back to nine weeks later leading a blind veteran to the summit of Mount Kilimanjaro, an experience that changed her perspective on the meaning of life. Kristy also dealt with the unexpected when she trained for an Ironman in 90 days without ever completing a triathlon or riding a race bike, and she used intrinsic motivators to find comfort in the uncomfortable. Kristy will draw the parallels of how these lessons translate throughout her life both professionally and personally. Through the power of purpose she will show how you can reach new levels and inspire others to do the same. You will be amazed at the ease in which you can apply Kristy's simple lessons to take your career, company, team, and clients beyond what you ever imaged.

10:15 AM - 10:30 AM

**APWA GIVEAWAY DRAWINGS (Presidio Ballroom)**

**Description:** Attend the Friday session and you will receive a ticket for a chance to win one of several grand prizes. Must be present to win!

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# FRIDAY DETAILS 08/09/19

10:30 AM - 12:00 PM

**AGENCY SHOWCASE: NETWORKING WITH OWNERS, PROJECT MANAGERS, AND DECISION MAKERS (Presidio Ballroom)**

*Snacks/Take Home Food and Drinks Will Be Provided - Snack Bags Sponsored by Hunter Contracting*

- Whole Fresh Fruit
- Assorted Granola and Power Bars
- Bags of Pretzels and Assorted Chips
- Soft Drinks and Bottled Water

**Agency Showcase Description and Participants:** Don't miss out on this one-on-one time with key staff. Find out who you should know, how they operate, what they like and don't like, and who you could be working with in the future. Confirmed agencies/organizations include: American Indian Chamber Education Fund PTAC, Arizona Center for Transportation Innovation, City of Buckeye, City of Chandler, Town of Clarkdale, Coconino County, City of Cottonwood, Town of Gilbert, Town of Marana, Maricopa County Department of Transportation, City of Maricopa, City of Mesa, City of Phoenix, Pima County, Pima County Flood Control District, Pima County Regional Wastewater Reclamation Department, Town of Prescott Valley, Town of Queen Creek, Town of Sahuarita, City of Surprise, City of Tempe, City of Tucson, Yavapai County, City of Yuma.

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# ARIZONA APWA INFORMATION

Arizona APWA is a State Chapter of the American Public Works Association (APWA); a non-profit 501(c)3 educational and professional association of public agencies, private sector companies, and individuals dedicated to providing professional excellence and public awareness through education, advocacy, knowledge, and much more! There are 64 U.S. Chapters (APWA), Canada (CPWA) and other International Chapters. APWA's headquarters are in Kansas City, MO. They also have an office in Washington, D.C. Membership in APWA is open to public and private sector individuals, agencies, and companies interested and involved in the delivery of public works goods and services.

## ARIZONA CHAPTER EXECUTIVE COMMITTEE

- President - Rob Kidder, City of Mesa
- President Elect - Kristin Tytler, City of Surprise
- Past President - Greg Smith, G. Smith Consulting
- Secretary - Donna Sullivan-Hancock, City of Tempe
- Treasurer - Amanda McGennis, Associated General Contractors
- Director - Al Field, Al Field & Associates
- Director - Denise Brewer, Maricopa County
- Director - Chris Ewell, City of Phoenix
- Director - Steve Orosz, Orosz Engineering Group
- Director - Nancy Cole, Pima County
- Director - Sandy Niebel, Wood Patel
- Delegate - Wendy Springborn, City of Tempe
- Alternate Delegate - Jeffrey Kramer, City of Yuma

## ARIZONA CHAPTER AWARDS COMMITTEE

- Jeanne Sapon, Awards Co-Chair, DBA Construction
- Ken Kawamoto, Awards Co-Chair, Achen-Gardner Construction
- Chris Ewell, City of Phoenix
- Dave Moody, Valley Metro
- Donna Sullivan-Hancock, City of Tempe
- Kevin Roberts, Dibble Engineering
- Kevin Murphy, Civil & Environmental Consultants
- Mike Holder, PAG
- Scott Bender, Pinal County

## ARIZONA CHAPTER CONFERENCE COMMITTEE

- Christy Sipos, Conference Co-Chair, Civiltec Engineering
- Scott Kirchhofer, Conference Co-Chair, Achen-Gardner Construction
- Chris Ewell, Board Liaison, City of Phoenix
- Chris Simko, Technical Program Chair, Stantec
- April Victorino, Site Committee Co-Chair, Stantec
- Dana Varieur, Site Committee Co-Chair, GHD
- Kristin Peck, Exhibitor Chair, HILGARTWILSON
- Joe Soto, Golf Chair, Pima County
- Al Field, Al Field & Associates
- Cailey Jones, Achen-Gardner Construction
- Cindy Laughlin, EPS Group
- John Tutor, Wood
- Lisa Folsom, Sunland Asphalt
- Nancy Cole, Pima County
- Sheila Hamilton, APWA
- Sydney Chan, HILGARTWILSON

## NORTHERN BRANCH OFFICERS

- Chair - Norman Davis, Town of Prescott Valley
- Vice Chair - Chris Steele, Yavapai County Public Works
- Secretary - David Dirren, Sunrise Engineering
- Treasurer - John Wesnitzer, Shephard-Wesnitzer
- Chapter Liaison - Steve Orosz, Orosz Engineering Group

## SOUTHERN BRANCH OFFICERS

- Chair - Rick Pargas, HDR
- Vice Chair - Bill Schlesinger, SCE Engineering
- Treasurer - David Logue, Pima County
- Secretary - Carlos Suarez, Town of Sahuarita
- Past Chair - Beth Abramovitz, Town of Sahuarita

### Arizona Chapter APWA Contact Information:

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 apwaaz@gmail.com  
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# PROFESSIONAL DEVELOPMENT

## IMPORTANT: RETAIN THIS PROGRAM FOR YOUR FILES

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**2019 Arizona Chapter APWA Statewide Conference | August 7-9, 2019 | El Conquistador Tucson**

The following list of Professional Development Hours (PDH) follows the exact listing of sessions in this program. Check the sessions you attended.

### **THURSDAY, AUGUST 8, 2019**

- 1 PDH  Keynote Opening Speaker Steve Correia - Become a Geek Who Can Speak
- 1/2 PDH  Alternate Delivery Method After 20 Years: So Much has Changed While Staying the Same
- 1/2 PDH  Leveraging Infrastructure Investment in Connection with Economic Development
- 1/2 PDH  ADA Transition Plan - Pilot Study
- 1/2 PDH  Change: It's Not All That Scary
- 1 PDH  Getting Public Projects Planned, Designed and Built
- 1 PDH  Tangerine Road: A CMAR Case Study for Successful Delivery of Public Infrastructure
- 1/2 PDH  Constructing the Superior Road Base with Soil Lithification
- 1/2 PDH  Town of Gilbert's First Major Horizontal Directional Drilling of Gravity Sewer
- 1/2 PDH  Evaluating the Potential for Existing & Future Water Recycling in AZ
- 1/2 PDH  Infrastructure - What Lies Below is What We Know
- 1 PDH  Impacting Public Works at Different Stages of Our Careers
- 1 PDH  Improve Your World From The Bottom Up
- 1/2 PDH  Maximizing the Efficiency of Design-Build: How to Complete a Major Project in 180 Days
- 1/2 PDH  Creative Partnerships Used to Complete Our Roadways in Phoenix
- 1/2 PDH  How to Have a Pain Free Surveying Project
- 1/2 PDH  Agents of Change: Two Arizonans' Experience with APWA Emerging Leaders Academy - Class XI
- 1 PDH  50 Shades of Leadership
- 1 PDH  Upping your Utility Coordination to the Next Level: Successful Partnerships!
- 1/2 PDH  A Selection Dilemma: Traffic Signal or Roundabout for Improving Safety & Reducing Delay
- 1/2 PDH  The Kelvin Bridge Project: 20 Years in the Making
- 1/2 PDH  Pima Intersection Control Evaluation Spreadsheet (PICES)
- 1/2 PDH  Using Progressive Design Build and Trenchless Technology to Complete a Difficult Project
- 1 PDH  Demonstration of Pressure Pipeline Rehabilitation Using Primus Line
- 1/2 PDH  Soils and Seismic Hands on Demonstration - Learn Typical Soil Types
- 1/2 PDH  Work Zone Safety

### **FRIDAY, AUGUST 9, 2019**

- 1 PDH  Keynote Closing Speaker Kristy Bidwill - Reaching The Unimaginable: The Power of Leading With Purpose

**Your Total Professional Development Hours = \_\_\_\_\_**

AUGUST 7-9, 2019



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