

2022

UTAH CITY ENGINEERS ASSOCIATION WINTER CONFERENCE

JANUARY 26th –28th, 2022 DIXIE CENTER, ST. GEORGE, UTAH



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TAYLOR NIELSEN	Ogden	VICE PRESIDENT
RUSSELL FUNK	Heber City	DIRECTOR
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		DIRECTOR
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ROD MILLS	Galloway	TREASURER

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CHECK OUT THE ASSOCIATION WEBSITE AT:

WWW.UCEA.NET

Attendance at the UTAH CITY ENGINEERS ASSOCIATION Winter Conference (January 26-28, 2022) meets the requirements of the Utah Department of Professional Licensing (DOPL) for 11.25 hours of Continuing Education credit. Please sign (below) and keep this program as evidence, in the event of an audit.

I CERTIFY THAT I ATTENDED AND QUALIFY FOR _____ HOURS OF CONTINUING EDUCATION CREDIT OUT OF 11.25 POSSIBLE HOURS OF PRESENTED, RELEVANT CONTINUING ENGINEERING EDUCATION.

SIGNATURE OF ATTENDEE

DATE

CONFERENCE PROGRAM

Wednesday January 26, 2022

- 1:00-6:00 pm Shotgun Start Golf Tournament (12:30 Check-In Time)
Sunbrook Golf Course Address 2366 Sunbrook Dr.
(435) 627-4400 St. George, UT 84770
- 8:00 – 9:00 pm Pre-Conference Registration Hilton Garden Inn Lobby

Thursday January 27, 2022

- 7:15-8:00 am Breakfast & Registration
Thank you to Sunrise Engineering, Civil Science & Contech
- 8:00-8:30 am Welcome Sam Kelly, 2021 UCEA President
- 8:30-9:00 am Federal Funding Jared Andersen, Sunrise

Where Are The Millions??!! COVID Cares Act.....ARPA Dollars.....Infrastructure Package(Restore America Act) There will be more money in Appropriations this year during the Legislative Session(which started on Jan. 18th) than the state has ever seen! What does this mean to Cities? What does this mean to Counties? What does this mean to Engineering Firms? How do we capitalize on these monies to best benefit those we work for? How can these dollars be used? How do I get access to these funds? There are many questions concerning these funds. I will attempt to answer some of these questions and explain the maze I've experienced. We have never seen a time like this and we need to place those we work for in the best position possible to have access to these funds.

Jared has 20 years of experience in the Civil Engineering field. He currently works as Project Manager at Sunrise Engineering. He also serves as a Morgan County Commissioner and Utah Association of Counties Board Member.

- 9:00-10:00 am Leadership and Public Involvement Sydne Jacques, Jacques & Assoc.

In the past two decades the pendulum called "Public Involvement" has been gaining momentum and just keeps moving. Gone are the days of installing a waterline, closing an access or tearing up a road without public engagement to ensure the public knows what is going on.

In this presentation will cover how we got to where we are, what are the options for your team and we will share proven tools that will make your life easier. And of course...there will be cookies.:-)

Sydne is the founder of Jacques & Associates(J&A), where we focus on the "people-side of engineering" by providing Public Involvement, Partnering and Training to create cultures that result in higher levels of trust and more effective communication. J&A just celebrated 28 years in business and serves clients around the world. Sydne was recently featured by Utah Valley Business Magazine as one of the "10 Coolest Entrepreneurs in Utah County". Sydne is a licensed, professional engineer and a Certified Speaking Professional – less than 6% of the

speakers in the country earn this speaking designation. Sydne holds two Olympic medals! Sydne has a patient husband, four amazing kids, is proud of the work ethic she obtained growing up on a farm in Montana and she is a terrible golfer.

10:00-10:15 am Break

Thank you to ESI Engineering, UAPA, and AQUA Engineering

10:15-10:45 am Hurricane City Spotlight Arthur LeBaron, Hurricane

Learn about how windy Hurricane actually is, and why this community is where it's at!

Arthur has lived in Hurricane since 1976, except for a 2-year bicycle trip for the LDS Church to Connecticut and a 4-year stint in Logan while going to Utah State University. Arthur and his much better half, Andrea, are the proud parents of 7 children. Beside showing up for the St. George Marathon and St. George Ironman events each year, Arthur keeps himself very busy just trying to keep up with his children.

10:45-11:15 am Sizing BMPs Evan Fischgrund, ADS

As water quality becomes more and more of a pressing theme in the design community, there is still a lot of confusion about what it actually means on a project specific basis. Throw in all of the acronyms that are involved, and it's no wonder how the topic of water quality becomes a scary proposition. However, when you break it down, the discussion about water quality and how to incorporate this into your specifications is not as daunting as it seems. During this presentation, we will be taking a step back to square one, discussing necessary design parameters and standard performance requirements. Lastly, we will be diving into why it is important for you as an agency to define what water quality means to you, and ideas on how to update your specifications accordingly.

Evan is the Regional Engineer for Advanced Drainage Systems, covering the southwest region states. He has been with the company almost six years, previously covering Colorado and Utah on a project specific level. He has been in the industry for 12 years and is a licensed P.E. in both Colorado and Utah. Prior to ADS, Evan worked with two consulting firms, working on a variety of projects in both the public infrastructure and land development sectors. He continues to work closely with DOTs around the region as a technical resource and is excited to build on the previous relationships he has made in Utah over the year. Evan is married and has a 2-year-old son, with another on the way in June.

11:15-12:15 pm ASTM C1840: RCP Inspection and Repair.. and Jeopardy
Jason Allen - MSCPA

You've heard Jason joke about millennials. You've heard Jason give pointers on how to give more engaging presentations. You've even seen pictures of him dressed up like Freddy Mercury. This year, Jason Allen will take on his greatest challenge yet: engage a room full of engineers while talking about an ASTM specification! The Mountain States Concrete Pipe Association has recently been approached by multiple City Engineers about the possibility of putting together some guidelines for what is acceptable and what is not when it comes to the acceptance of cracked RCP. This presentation will discuss one of the newest concrete pipe ASTM specifications:

ASTM C 1840, which covers the inspection of pipe and the recommended acceptance criteria. This specification is a great starting point for cities that are curious about the national standards for the acceptance of storm drain pipe. (We recommend that you pay attention because there will be a “quiz” at the end...)

Jason Allen is a licensed professional engineer currently residing in Washington Terrace, Utah, with 20 years of experience in the civil engineering field. Prior to accepting the director position with the Mountain States Concrete Pipe Association in early 2016, Jason worked as a consultant engineer specializing in project management and drainage design for Utah DOT and municipal roadway projects. Jason was also the County Engineer for Morgan County where he oversaw the design and construction of various local government roadway and drainage projects. Jason currently sits on the ASTM C13 committee that writes, reviews, and votes to approve concrete pipe specifications, including ASTM C 1840. Jason is a proud graduate of the University of Utah, with Bachelor and Master Degrees in Water Resource Engineering.

12:15-1:00 pm Lunch
Thank you to ADS and Mountain States Concrete Pipe Association

1:00-1:15 pm Group Photo

1:15-1:45 pm Preparing Your City for the EV Evolution Lyle McMillan, UDOT

The State of Utah recently published the Statewide Electric Vehicle Charging Network Plan, and Congress recently passed a bill that will fund the installation of 500,000 EV chargers across the country. This session intends to begin the creation of partnerships to implement Utah’s Plan in a manner that supports local control and grows local economies.

From 1999 until 2018, Lyle served as the Director of Right of Way and Property Development for the Utah Department of Transportation. In that capacity, Lyle led the teams responsible for buying, selling, exchanging and managing property for transportation projects.

In 2018, the Utah Legislature passed enabling legislation for Transportation Reinvestment Zones (TRZ), Public Private Partnerships (P3), Unsolicited Proposals, and the State Infrastructure Bank (SIB), as well as the recently published Utah Statewide Electric Vehicle Charging Network Plan. Lyle’s responsibility is to implement and administer these programs as UDOT’s Director of Strategic Investments.

Lyle earned a Bachelor of Science degree in Finance from the University of Utah, and received his Masters of Business Administration from Brigham Young University.

1:45-2:45 pm Road Maintenance Application Randy Wahlen, LTAP

It is likely that your pavement maintenance budget is insufficient. Proactive pavement maintenance is critical, but it is not a cure all. Developing a realistic budget that can be used to educate city and county officials to the long-term maintenance deficits that may be on the horizon. This education needs to reach further than just your own community, but the UCEA and other associations need to band together to lobby the legislature about the need for local roads funding.

Randy Wahlen graduated from the University of Utah over 30 years ago and has worked for UDOT, Sandy City, Transportation Consultants and the concrete pipe industry. Randy recently *transitioned* to the Utah LTAP where he has been active in updating the training, asset management and technical assistance programs. Randy enjoys

8:15-9:00 am

Water Conservation

Rick Maloy, Central Utah Water

Looking ahead at the growth and need for water in Utah, how is water conservation a viable water supply strategy. What are the tools and opportunities available to get us to our goals and is it enough? Covering topics from secondary water metering to turf removal programs.

Rick Maloy is the Water Conservation Manager at Central Utah Water Conservancy District who works with State and local water agencies to develop water conservation strategies and public outreach tools. Rick knows the importance of water and what needs to be done to meet the future demand as the state of Utah continues to grow, particularly regarding outdoor water use. Rick has spent over 15 years working in the field of water distribution and conservation and serves as the current president of the Utah Water Conservation Forum a non-profit group devoted to supporting professionals in sustaining a statewide water conservation movement. Rick served 10 years in the Utah Army National Guard and holds a bachelor's degree from the University of Utah and a master's degree from Utah State University.

9:00-9:45 am

Traffic Impact Studies

Ryan Hales, Hales Engineering

How traffic impact studies fit in between the transportation master plan and the pavement. What is a TIS and what to look for it and how it affects your municipality.

Over the last 26 years, Hales Engineering has been providing transportation engineering and planning services to clients in the public and private sectors. Importance is placed on developing creative, cost-effective, and technically sound solutions to planning and design problems associated with all modes of transportation. They have worked on Environmental Impact Statements (EIS) for UDOT, transportation master plans for municipalities, and traffic impact studies for municipalities and developers.

Hales Engineering has an on-going contract with UDOT to review all traffic signal warrants, speed studies, cross walks, pedestrian studies, etc. throughout the entire State.

Ryan Hales has 26 years of experience, has served on a local planning commission in a rapidly growing community, and is professional engineer, traffic operations engineer, and is certified as a land use planner. He is licensed in 10 of the western states. He graduated from BYU in 1996 with his BS, MS degrees.

Josh Gibbons has 6 years of experience and is licensed as a professional engineer in 6 states with one pending. He graduated from BYU with his BS and MS degrees and was an adjunct professor at UVU for a traffic engineering class.

9:45-10:15 am

HMA Mix Design

Tim Biel, PEPG & Reed Ryan, UAPA

We will be presenting the proposed updates to the asphalt mix and placement specifications. The changes are significant and are based on a collaboration between industry, owners and specifying engineers.

Tim is a principal engineer at PEPG Consulting and has been involved with asphalt pavements and the local industry for over 25 years. His experience, relationships and position have led to this opportunity to participate in the next evolution of the APWA specifications.

10:15-10:30 am

Break

Thank you to Jones & Associates, J-U-B Engineering, & R B& G Engineering

10:30-11:00 am Bluffdale Triangular Shape 4 MG Water Tank Tyler Allen, Hansen, Allen & Luce

The City of Bluffdale's Drinking Water Master Plan indicated that they required additional storage for their water system. They had a piece of property. It was at the right elevation. What more could you need? We will discuss some of the challenges and problems we had to work through during the design and construction of the project.

Tyler Allen is the Chief Operating Officer at Hansen, Allen, & Luce, Inc. (HAL). His professional focus has been on hydraulic analysis, design, and construction of water related infrastructure. Mr. Allen's experience includes more than 13 years in hydraulic/hydrologic analysis and design of storage tanks, drainage systems, detention basins, pipelines for storm drain, sewer, and pressurized water systems. Additionally, he has been involved in various projects involving solid and hazardous waste landfill design, designing landfills including drainage systems and also various FEMA flood mapping projects. He received his B.S. and Ph.D. degrees from Utah State University in Civil and Environmental Engineering with an emphasis in hydraulics.

11:00-12:00 pm Legislative – Panel Discussion on City Standards - ULCT

Proposed changes to 10-9a-212 and 10-9a-508 - Notice for an amendment to public improvements in a subdivision or development.

12:30 pm Board Meeting

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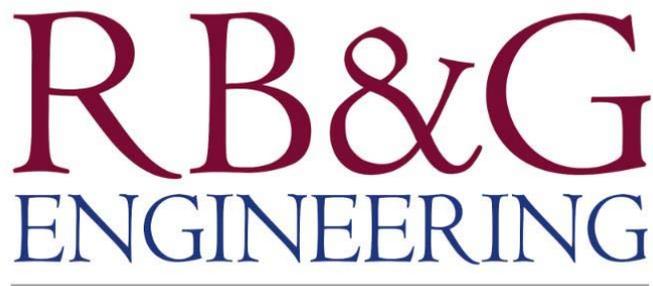
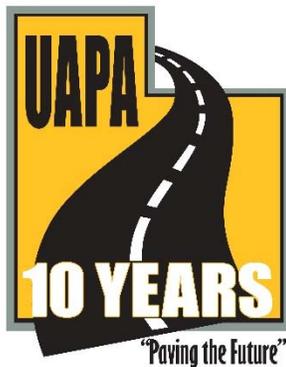


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