

2023 WASHTO Annual Meeting
 June 4-7, 2023
 Honolulu, Hawaii
AGENDA

Saturday, June 3, 2023		
1:00 pm – 5:00 pm	Registration	Nautilus
Sunday, June 4, 2023		
1:00 pm – 5:00 pm	Registration	Nautilus
9:30 am – 3:45 pm	Technical Tours* -Windward O’ahu -H-3 Tunnel (1:30 p.m. end)	Buses load at Grand Islander bus depot
11 am – 2:30 pm	Technical Tour* -Honolulu Rail	Bus pickup on Kālia Road
12:00 pm – 5:00 pm	Vendor Setup	Coral Ballroom Foyer
5:00 pm – 6:30 pm	CEO Reception (invitation only)	Buses load at Hilton Hawaiian Village at 5:00 pm
6:00 pm – 9:00 pm	Opening Event - ‘Iolani Palace	Buses load at Hilton Hawaiian Village 5:30 pm
Monday, June 5, 2023		
7:00 am – 5:00 pm	Registration	Nautilus Meeting Room
7:30 am – 8:30 am	Delegate Breakfast	Coral Ballroom 3
7:00 am – 8:30 am	Chief Engineers Breakfast	Lehua Suite – bottom floor
8:30 am – 11:00 am	Opening General Session WASHTO 2023 will open with a traditional Hawaiian chant called <i>Onaona i ka hala</i> , a hula performance by Kamehameha Schools students, and a fern ceremony involving representatives from the WASHTO states.	Coral Ballroom 4 & 5
Continuous trips between: 9:00 am – 11:00 am	Technical Demo -Autonomous Rainbow Shuttle	Shuttle loads at Grand Islander bus depot

1:00 pm – 3:00 pm	<p>Come take a ride on Hawai'i's first Autonomous Rainbow Shuttle! The shuttle is a full-size transit van with ADA accessibility, seating for up to 14 passengers and is equipped with Perrone Robotics patented TONY (To Navigate You) autonomous system.</p> <p>You will see how the autonomy interacts with real road conditions and learn more about the deployment of this vehicle in Hawai'i. This shuttle will be entering into operation later this month at the University of Hawai'i Mānoa Campus in coordination with HDOT, Sustainability Partners and was developed by Perrone Robotics.</p>	
11:00 am – 11:30 am	Break	Coral Ballroom Foyer
11:30 am – 12:30 pm	Delegate Lunch	Coral Ballroom 3
11:30 am – 12:30 pm	WASHTO Board Lunch	Kahili 2
12:30 pm – 1:30 pm	<p>The Decarb and Digital Challenge – <u>Andrew Bui</u>, <u>Alan Eckman</u>, <u>Veronica Siranosian</u>, <u>Amy Ford</u></p> <p>Join this engaging session to learn and share insight about progress of zero emission vehicles and infrastructure, and decarbonization strategies that go beyond zero emissions vehicles.</p>	Coral Ballroom 4 & 5
1:30 pm – 2:30 pm – 1 HOUR	Local and State Development Partnerships: Moving People Safely –	Coral Ballroom 1

	<p><u><i>Lorena Echeverria de Misi, Ram Maddali</i></u></p> <p>Learn about the latest tools and techniques for corridor development, ways to defuse controversy and opposition, and how to communicate planning and engineering concepts to a lay audience for successful project delivery.</p>	
<p>1:30 pm – 2:00 pm</p>	<p>Highways and the Unhoused – <u><i>Diann Hodges, Mike Arellano, Elizabeth Baker</i></u></p> <p>It is not uncommon for individuals experiencing homelessness to use bridges and overpasses for shelter. This creates not only a hazard for those unhoused, but also for the traveling public. The Texas Department Transportation took a unique approach to the issue, by turning a former a maintenance yard into a state-sanctioned camp for people experiencing homelessness.</p>	<p>Coral Ballroom 2</p>
<p>2:00 pm – 2:30 pm</p>	<p>Public Private Partnerships in Building Futures: Kahauiki Village – <u><i>Duane Kurisu, Connie Mitchell</i></u></p> <p>A case study in using partnerships and coordination to meet housing needs in an innovative and expedient way, Kahauiki Village was championed by local developer, Duane Kurisu. Duane and Connie Mitchell—the Executive Director of Hawaii’s largest homeless services provider, The Institute</p>	<p>Coral Ballroom 2</p>

	for Human Services—will share the genesis of the development of the Kahauiki Village community and the lessons learned its building and operation.	
1:30 pm – 2:00 pm	<p>Japan’s Proven Solutions to Prevent Unseating of Bridges During a Seismic Event – <u>Katsunori Yasui</u>, <u>Benjamin Reeve</u></p> <p>A critical step toward ensuring the resilient future of our bridges is preventing deck unseating during seismic events. Innovative seismic devices, applicable to concrete & steel bridges, provide backup to existing bearings, restrain higher loads, and enable prompt bridge use and recovery.</p>	South Pacific 1&2
2:00 pm – 2:30 pm	<p>Recovering Right in the Last Frontier – <u>Marcus Zimmerman</u>, <u>Tory Jackson</u>, <u>Kristen Keifer</u></p> <p>Natural disasters are happening with increasing frequency and intensity. Response and recovery focus on vital infrastructure and lifeline systems that keep local communities going. Building resilience against future events requires consideration of the disaster lifecycle: preparedness, response, recovery, and mitigation. We will share how Alaska DOT&PF and HDR partnered</p>	South Pacific 1&2

	with FEMA and FHWA on recovery efforts after a 7.1M earthquake in central Alaska in 2018 and used the lessons learned to respond quickly in 2020 to a devastating storm across southeast Alaska.	
1:30 pm – 2:00 pm	<p>Data Collection Pilot for Road Conditions with Connected Vehicle in Hawai'i – <u><i>Daisuke Oshima</i></u></p> <p>This session will cover the results of an approximately one-year pilot of collection of pavement condition and distress data using sensors that can be discretely mounted on consumer vehicles. In the course of the pilot, HDOT inspectors used the consumer connected vehicle on two different islands and compiled daily reports with geocoded findings.</p>	South Pacific 3 & 4
2:00 pm – 2:30 pm	<p>How Computer Vision & Crowdsourced DashCam Imagery Power AI on Hawaiian Roads – <u><i>Robin Shishido, Mark Pittman</i></u></p> <p>Artificial Intelligence is rapidly evolving and quickly playing an important role in our society. How is it being used in transportation today? What are the possibilities, and how close are we to that reality? Join this session to learn how AI and DashCam technology are changing the way we see our roadways in Hawai'i</p>	South Pacific 3 & 4
2:30 pm – 3:00 pm	Break	Coral Ballroom Foyer
3:00 pm – 4:00 pm	Community Based Planning of Resilient Infrastructure by Leveraging Technology –	Coral Ballroom 4 & 5

	<p><u><i>Erica Blonde, Loreana Marciante, Mike Patterson</i></u></p> <p>Join former Oklahoma Department of Transportation Secretary, Mike Patterson, HNTB's Associate Vice President, Erica Blonde, and Principal Technologist, Loreana Marciante, for a discussion on leveraging community engagement and the latest technologies to improve infrastructure with resilience, equity, and mobility.</p>	
4:00 pm – 5:00 pm	Its 5 O'clock Somewhere Specialty Drink – Sponsored by Headlight	Coral Ballroom Foyer
4:00 pm – 5:00 pm	FHWA Administration Meeting	Sea Pearl 1 & 2
5:00 pm – 6:00 pm	Hosted hospitality suites	
Tuesday, June 6, 2023		
7:00 am – 5:00 pm	Registration	Nautilus
7:30 am – 8:30 am	ARTBA/AASHTO/AGC Breakfast	Hibiscus 1 & 2
7:30 am – 8:30 am	Delegate Breakfast	Coral Ballroom 3
<p>Continuous trips between:</p> <p>9:00 am – 11:00 am</p> <p>1:00 pm – 3:00 pm</p>	<p>Technical Demo</p> <p>-Autonomous Rainbow Shuttle</p> <p>Come take a ride on Hawai'i's first Autonomous Rainbow Shuttle! The shuttle is a full-size transit van with ADA accessibility, seating for up to 14 passengers and is equipped with Perrone Robotics patented TONY (To Navigate You) autonomous system.</p> <p>You will see how the</p>	Shuttle loads at Grand Islander bus depot

	<p>autonomy interacts with real road conditions and learn more about the deployment of this vehicle in Hawai'i. This shuttle will be entering into operation later this month at the University of Hawai'i Mānoa Campus in coordination with HDOT, Sustainability Partners and was developed by Perrone Robotics.</p>	
<p>8:30 am – 9:30 am 1 Hour</p>	<p>Getting to Mission Zero – <u>Al Alonzi, Ed Sniffen, Marc Williams</u></p> <p>Data-Driven Safety Analyses continue to evolve to assist the State DOT's vision zero programs by looking at historical, present, and future applications. This application, which proposes a more proactive safety analysis approach for multimodal systems, assists agencies and decision-makers in addressing high-risk roadway elements. The presentation covers the value of creative and proactive approaches to identify near-(0-4 years) and long-term (4+ year) multimodal strategies for vision zero.</p>	<p>Coral Ballroom 1</p>
<p>8:30 am – 9:30 am 1 Hour</p>	<p>Equity in EV Planning – <u>Candice De, Cameron Meyer, Issamar Pichardo</u></p> <p>EV Planning accelerated quickly this past year, and with the Justice40 emphasis on equity there are a lot of questions. This presentation</p>	<p>Coral Ballroom 2</p>

	<p>will feature a synthesis on current best practices for equity in EV analysis based on several state NEVI plans, data that facilitates better decision making, and how to continue to track progress and refine methods for integrating equity in EV decision making.</p>	
8:30 am – 9:00 am	<p>A Framework for Reducing Transportation GHG Emissions – <u>Erik Sabina</u>, <u>Chris Porter</u></p> <p>Colorado’s recently implemented Greenhouse Gas Pollution Reduction Planning standards offer a case study for how to implement GHG targets for transportation planning agencies. The standard requires the Colorado DOT and the state’s five MPOs to determine the total emissions expected from future transportation projects and reduce emissions by set amounts. Colorado’s experience offers insights into forecasting, target-setting, and project prioritization to achieve aggressive GHG reduction goals.</p>	South Pacific 1 & 2
9:00 am – 9:30 am	<p>Data Integrated and Sustainable Asset Management – <u>Nathan Lee</u></p> <p>Data Integrated and Sustainable Asset Management will demonstrate UDOT’s sustainable Asset</p>	South Pacific 1 & 2

	<p>Management system. Using new digital technology and the AASHTO TAM Data Guide, UDOT was able to establish a data baseline, data management goals, and a system to modernize the way employees interact with data in its asset management system. These asset system improvements communicate at all management levels within the enterprise to address risk, resiliency, and improve funding and resource allocation.</p>	
<p>8:30 am – 9:00 am</p>	<p>Caltrans CALMS Project – <u>Mark Counts</u></p> <p>History shows that the average completion time for a medieval cathedral was a few hundred years. This means that it took multiple generations of visionaries and hard work to plan, construct, and build their cathedrals.</p> <p>Caltrans is in the beginning phases of building a “digital cathedral” that will create new value for their infrastructure ecosystem for many years to come. One of the Caltrans programs that is leading this effort is called the Caltrans Asset Lifecycle Management System</p>	<p>South Pacific 3 & 4</p>

	(CALMS). Come see the ways that Caltrans is innovating within the development Community space, data breed management, and Enterprise level project delivery	
9:00 am – 9:30 am	<p>Resiliency in Public and Stakeholder Engagement – <u><i>Bardia Nezhati, Kevin Verre, Jackie Kuechenmeister</i></u></p> <p>This presentation will introduce the need for and ability to be resilient in public and stakeholder engagement, stemming most recently from the COVID-19 pandemic, but inciting positive change in the way public agencies conduct outreach. This panel will discuss the innovative use of a digital community outreach platform, ENGAGE, that integrates video, information boards, surveys, and an interactive comment map. Its application for the 23-mile McCarran Boulevard which circles the Reno/Sparks, NV metropolitan area enabled NDOT and RTC to obtain a wide variety of perspectives across a large geographical area. Other engagement tools, such as 3D visualizations, changing the manner in which people interact with technical projects and decisions, will be presented.</p>	South Pacific 3 & 4
9:30 am – 10:00 am	Break	Coral Ballroom Foyer
10:00 am – 11:00 am	<p>Growing the Future Transportation Workforce – <u><i>Annette Matsuda, Julia</i></u></p>	Coral Ballroom 4 & 5

	<p><u><i>Smith, Tony Kratofil, Kirk Fredrichs, Mo Harmon</i></u></p> <p>The Transportation industry faces numerous challenges to acquire and maintain a workforce with the right knowledge and skills. Along with an increase in state and consultant retirements, many universities are seeing a significant drop in civil engineering students. IJJA funding is bringing in more work, and there is an industry-wide push around diversity, equity, and inclusion. How can we attract young people to our profession? In this panel discussion, we will explore options including STEM programs and the AASHTO TRAC program to help grow the future transportation workforce by increasing interest among high school and college students.</p>	
11:00 am – 12:00 pm	Delegate Lunch	Coral Ballroom 3
11:00 am – 12:00 pm	ARTBA Engineering Issues Lunch (invitation only)	Lehua Suite
11:15 am – 12:45 pm	FHWA/CEO Lunch	Kalihi 2
12:00 pm – 12:30 pm	<p>How State of Hawaii is Leveraging Data to Proactively Plan for the Impacts of Climate Change – <u><i>Daniel Liu</i></u></p> <p>HDOT is collecting and analyzing data on a variety of factors, including climate change, traffic patterns, and infrastructure conditions. This data is being used to identify and assess risks, develop mitigation strategies, and make better decisions about how to invest in infrastructure. Google</p>	Coral Ballroom 4 & 5

	<p>Cloud is partnering with HDOT to provide the cloud infrastructure and data analytics tools that HDOT needs to collect, store, and analyze data. Google Cloud is also providing HDOT with expertise in data science and machine learning. This partnership is helping HDOT to build a more resilient transportation infrastructure that is better prepared for the challenges of climate change.</p>	
12:30 pm – 1:30 pm	<p>Building and Maintaining Resilient and Lasting Assets – <u>Michelle Dippel, Dre Kalili, George Abcede</u></p> <p>Join this session to explore the innovative approaches Hawaii DOT has taken to harness the power of accurate and consistent data across teams and local agencies to work as “One Hawaii”. Panelists will discuss the modernization of asset data processes and workflows to provide a well-maintained multimodal system that can adjust to dynamic statewide needs in support of Hawaii’s vibrant and changing economy.</p>	Coral Ballroom 4 & 5
2:15 pm – 4:10 pm	<p>Technical Tour* -Joint Traffic Management Center and V2E connected corridor</p>	Bus pickup on Kālia Road
1:30 pm – 2:30 pm	<p>Building Consensus During Times of Conflict, Controversy, and Polarization – <u>Claire Woodman, Alexis Version</u></p>	Coral Ballroom 4 & 5

	<p>Transparency and public input can help overcome distrust and community concerns over impacts of large projects. <i>Building Consensus During Times of Conflict, Controversy and Polarization</i> will share strategies and tools for reaching agreement with stakeholders and partner agencies. Presenters Claire Woodman and Alexis Version will also discuss case studies in building trust such as the I-15 Environmental Impact Statement process.</p>	
2:30 pm – 3:00 pm	Break	Coral Foyer
3:00 pm – 4:00 pm 1 Hour	<p>Safety – This is Your Life – <u><i>Susan Martinovich, Ed Sniffen, Mack Long, Tracy Larkin Thomason, Carlos Braceras, Roger Millar</i></u></p> <p>Join Hawaii, Montana, Nevada, Utah, and Washington State for an interactive discussion on their respective safety initiatives and programs. <i>Audience participation encouraged.</i></p>	Coral Ballroom 1
3:00 pm – 4:00 pm 1 Hour	<p>Advancing a Vision for the Future of Transportation – and the State DOTs – <u><i>Ryan Anderson, Kirk Steudle, John Kaliski</i></u></p> <p>In October 2022, the AASHTO Board of Directors adopted a vision framework and an accompanying resolution committing to implementation of a vision for a transportation system</p>	Coral Ballroom 2

	<p>focused on connecting communities, moving people and goods, and meeting customer needs at all scales—from local to global. Implementation will include continuing to collaborate with a range of non-traditional partners; advancing a small number of bold ideas or “moonshots” to transform transportation through the end of this decade; and identifying a range of individual and collective actions for state DOTs to pursue.</p>	
<p>3:00 pm – 4:00 pm 1 Hour</p>	<p>A Research Grounded Approach to Engaging Underserved Audiences with Intentionality – <u>Susan Howard</u></p> <p>Texas is the second largest state in the US and in 2019 became one of only six majority-minority states. From 2010-20, over 95% of growth was attributable to minority populations. Knowing this, TxDOT developed the Best Practices for Inclusive and Intentional Public Engagement (BPIIPE) initiative as a proactive response to the conversation on equity/inclusion. The effort provides statewide guidance via a toolkit driven by working group input, surveys, focus groups and extensive research.</p>	<p>South Pacific 1 & 2</p>
<p>3:00 pm – 3:30 pm</p>	<p>Recovering from Oregon’s</p>	<p>South Pacific 3 & 4</p>

	<p>Historic 2020 Wildfires – <u><i>Nicole Sherbert</i></u></p> <p>The 2020 Labor Day wildfires are recorded as some of the most devastating disasters in Oregon history, burning more than one million acres across the state, destroying over 4,000 homes and businesses, and claiming the lives of nine Oregonians. The catastrophic fires, which had disastrous impacts on communities throughout the state, were additionally challenging in that they took place in the middle of a global pandemic when public health guidance requested people stay in their homes and when physical separation and gathering restrictions were part of life. The situation spurred the question, “How do you stay in your home when there is no home to return to?” The scale of the disaster, the state of the world, and the lack of human infrastructure in place to respond to the situation created a dire set of circumstances requiring an experienced team to implement a thoughtful and unconventional recovery response at the same time as they built an organization to manage the program.</p>	
<p>3:30 pm – 4:00 pm</p>	<p>Envisioning a Sustainable Approach to Infrastructure – <u><i>Brandon Huxford, Paul Green</i></u></p> <p>As urban areas across the country continue to experience growth with increasing density, we are finding it necessary to reinvent our approach to the</p>	<p>South Pacific 3 & 4</p>

	<p>planning and design of infrastructure systems. This presentation will utilize two case studies to highlight the trials and successes of these endeavors but more importantly, will share some insights into the expected and unexpected so that others may travel a similar path.</p>	
4:00 pm – 5:00 pm	<p>Transforming State Highway Infrastructure for Multimodal Users – <u>Ethan Melone, Roger Millar, Brian Barth, George Abcede</u></p> <p>Join this session to explore how DOTs are working with transit agency partners to implement Bus Rapid Transit and other improvements that enhance equity in transportation. Panelists will discuss the policy and planning foundation for these projects, the roles and responsibilities of DOTs and their partners, and implementation challenges and successes.</p>	Coral Ballroom 4 & 5
5:30 pm – 9:00 pm	Closing Pā'ina (Dinner, Meal)	Hilton Hawaiian Village Lawn
Wednesday June 7, 2023		
7:00 am – 3:00 pm	Registration	Nautilus
7:30 am – 8:30 am	Delegate Breakfast	Coral Ballroom 3
7:30 am – 8:30 am	RUC America Board Meeting/Breakfast	Lehua Suite
8:45 am – 10:30 am	Technical Tour -Joint Traffic Management Center and V2E connected corridor	Bus pickup on Kālia Road
8:30 am – 9:30 am	Resiliency: A Critical Factor in Extending the Overall	Coral Ballroom 4 & 5

	<p>Lifecycle of Bridges – <u>Kevin Kasamoto, Lisa Wilson, Brian Barth, Corey Rogers</u></p> <p>The panel will discuss how being proactive in design and specifications and understanding the best practices of bridge rehabilitation can strengthen a project’s design specs, expedite construction, minimize disputes, and harden assets against potential damage from both natural and man-made disasters. We’ll look at how successful preservation and rehabilitation has promoted “building a resilient future today” by reducing bridge replacements and long detours, preserving current assets, and freeing up money to spend on other transportation initiatives. We’ll also emphasize the development of practices that improve the efficiency of a project team, collaboration among owners, designers, and contractors, and the discovery of new and innovative approaches to DOT Business that are forward thinking and effective.</p>	
<p>9:30 am – 10:30 am</p>	<p>Asset Management: Using Data to Optimize Asset Lifecycles for Sustainability – <u>Steven Dale, Mark Counts, Doug Reichard</u></p> <p>This panel will discuss how implementing a comprehensive</p>	<p>Coral Ballroom 4 & 5</p>

	<p>Asset Lifecycle Management workflow will build safety, resiliency, equity and sustainability into your project. Mark Counts from Caltrans and Steven Dale from HDOT will demonstrate how access to data managed through planning, design, construction, and maintenance can improve project safety, help prioritize projects that will address key equity issues, and lead to more sustainable asset life.</p>	
10:30 am – 11:00 am	Break	Coral Ballroom Foyer
11:00 pm – 12:00 pm 1 Hour	<p>Shred Your Pamphlets – How Oklahoma Modernized Teen Driver Work Zone Safety – <i>Brian Taylor, Tom Robins</i></p> <p>Safety is our number one priority but with driver distraction, speeding, crashes, and fatalities rising in Oklahoma and across the country modernized tools are needed to protect our workers and motorists. In response to this safety crisis, The Oklahoma Department of Transportation and Oklahoma Turnpike Authority tossed out its dated work zone safety for teens pamphlet playbook. Following this session, WASHTO participants will be able to</p> <ol style="list-style-type: none"> 1. Utilize free modernized 	Coral 1

	<p>tools to educate and engage new teens on work zone safety.</p> <p>2. Host hands-on events with their DOT employees and contractors that will educate and engage new teens on work zone safety.</p> <p>3. Humanize our industry with new teen drivers as they are supported, recognized, and rewarded for being work zone safe drivers.</p>	
<p>11:00 pm - 12:00 pm 1 Hour</p>	<p>Before and Beyond the Build: Creating Social Value thru Infrastructure Investment – <u>Mara Campbell, Candice De</u></p> <p>Total impact of a project on society, should include sources of value that cannot be defined by conventional market economics. <i>Before and Beyond the Build</i> will explore considerations for increased community connectedness and mental health benefits from build outs of vibrant and inviting public spaces.</p>	<p>Coral 2</p>
<p>11:00 pm – 12:00 pm 1 Hour</p>	<p>Where’s The Workforce? A Conversation with transportation industry leaders – <u>Vince Mammano, Chelsea Merrill, Carlos Braceras, Tony Tavares, Ural Yal</u></p> <p>Join federal, state, construction, and private sector leaders for a</p>	<p>South Pacific 1 & 2</p>

	<p>conversation on the state of the transportation workforce. Panelists will discuss current challenges, trends, best practices, lessons learned, and their own personal career experiences</p>	
<p>11:00 pm – 12:00 pm 1 Hour</p>	<p>A Better Alternative: Leveraging Alternative Delivery to Improve Speed to Market – <u>Steven Kats, Lisa Wilson, Kahlil Jaber, Kenneth Sullivan</u></p> <p>With the BIL, DOT's are leveraging progressive design-build/CMGC to increase speed to market of infrastructure projects. A panel of private/public sector professionals focused on alternative delivery and streamlining the procurement process to improve project delivery through better schedule and cost certainty. Focus on: qualifications-based selection; authorizing legislation; project selection; contract terms/conditions; sustainability/PI/work force development; programing/executing projects.</p>	<p>South Pacific 3 & 4</p>
<p>12:00 pm – 1:00 pm</p>	<p>LUNCH</p>	<p>Coral Ballroom 3</p>
<p>1:00 pm</p>	<p>Exhibitor Teardown</p>	<p>Coral Ballroom Foyer</p>
<p>1:15 pm – 2:30 pm</p>	<p>Closing General Session & AASHTO Awards Ceremony</p>	<p>Coral Ballroom 4 & 5</p>