

Technical Program Schedule

Monday, June 19

TRACK:	A	B	C	D
ROOM:	Las Palmas & Marseilles	Terrazza	Sorrento	Portofino
MONDAY, 10:30 AM to 12 NOON	2A: Data Collection Using GPS, Wi-Fi, and Drones Moderator: Don Murphy, IBI Group Presenters: Darlene Danehy <i>Psomas - Lessons Learned in the Use of Drones for Parking Studies</i> Michelle Beckley <i>Lee Engineering - Origin-Destination of U.S. Bound Visitors from an Arizona Port of Entry</i> Joan Lim <i>StreetLightData - The Questions Big Data Can Answer: Commercial Travel Analysis</i>	2B: ITE Transportation Systems Management & Operations Council: Smart Communities Moderator: Kris Milster, Traffic Technology Services Panel Discussion with: Carlos Ortiz <i>ADVANTEC Consulting Engineers</i> John Lower <i>Iteris</i>	2C: Planning for Active Transportation and Complete Streets Moderator: Lin Zhang, TJKM Presenters: Sasha Jovanovic <i>Chen Ryan Associates - Quantifying Multimodal Performance for Long-range Planning</i> Ryan Zellers <i>Michael Baker International - Establishing a Methodology for a Comprehensive Active Transportation Strategy</i> Ian Barnes <i>Fehr & Peers - Getting There on Time: Why Travel Time Reliability Isn't Just for Drivers</i> Min Zhou <i>KOA Corporation - Feasibility of Cycle Tracks, Buffered Bike Lanes and Bicycle Boulevard in Pasadena</i>	Moderator: Dan Nall, Econolite Presenters: David Soto Padin <i>Portland State University - Surrogate Safety Measures for Uncontrolled Crosswalks in Oregon</i> Sanjay Paul <i>Lee Engineering - Intersection Safety Performance: A Case Study on the Application of Predictive Models</i> Frank Markowitz <i>San Francisco Municipal Transportation Authority - Innovations in Lighting for Pedestrian Safety and Walkability</i> Faisal Hamood <i>Lanelight - San Diego Airport Terminal 1 Delineation System</i>
	3A: Connected and Autonomous Vehicles Moderator: Carlos Ortiz, ADVANTEC Consulting Engineers Presenters: Doug Gettman <i>Kimley-Horn - Update on Automated Vehicle Initiatives Around the World</i> Leo Lee <i>ADVANTEC Consulting Engineers Smart Cities - A Paradigm Shift for Transportation Engineers</i> Elliott Huang <i>Fehr & Peers, Fleet Penetration of Automated Vehicles - A Microsimulation Analysis</i>	3B: Shrinkability of Roundabouts Moderator: Lindsey Van Parys, Omni-Means Presenters: Brian Walsh <i>Washington State DOT - Can Adjusting the Shape or Size of a Roundabout Alternative Save an Intersection?</i> Phil Rust <i>City of San Diego - Re-purposing the Pavement of an Urban Intersection</i> Rich Deal <i>City of Monterey - Tale of Two Closely Spaced and Significantly Different Diameter Roundabouts</i>	3C: Measuring & Reporting Regional Travel Characteristics Moderator: Mahmoud Ahmadi, Iteris Presenters: Rick Curry <i>SANDAG - San Diego Region Mesoscopic Model Development</i> Maria Vyas <i>Fehr & Peers - Mega-corridor Planning for an Uncertain Future</i> Billy Park <i>WSP Parsons Brinckerhoff - Does the Difference Method Always Work for Travel Demand Forecasting?</i> Ali Gholami <i>Univ. of Nevada, Reno - Lessons Learned from Development of a Dynamic Traffic Assignment Model for Northern Nevada</i>	3D: Statewide and Regional Safety Studies Moderator: Kevan Shafizadeh, CSU Sacramento Presenters: Mohammedreza Hashemi <i>University of Hawaii at Manoa - Analysis of Roadway Departure Crashed Contributing Factors Based on Classification and Regression Trees</i> Scott Kelley <i>Amec Foster Wheeler - How Safe are the Streets in Your Region?</i> Grant Schultz <i>Brigham Young University - Zero Fatalities: Applying the Roadway Safety Analysis Methodology in Utah</i> Devin Moore <i>Kimley-Horn - Driver-Related Safety Countermeasures From 41 Workshops</i>
MONDAY, 1:30 PM to 3:00 PM	4A: Connected and Autonomous Vehicles: Implications for Agencies Moderator: Edgar Perez, Parsons Presenters: Abby Morgan <i>Kittelson & Associates - Self-Driving Books - How Our Practices will Change with Connected Vehicles</i> Sam Morrissey <i>Iteris - Agency Implications of Connected and Autonomous Vehicles</i> Lauren Isaac <i>EasyMile - How Local Governments can Plan for Driverless Vehicles Penetration of Automated Vehicles</i>	4B: Complete Streets: Planning Considerations Moderator: Jennifer Rosales, City of San Clemente Presenters: Devin Moore <i>Kimley-Horn - Prioritizing Complete Streets - Master Planning</i> Megan Hoyt <i>Seattle DOT - Road Diets Serving the Community</i> Jesse Manning <i>Rhythm Engineering - Complete Streets Considerations in the Intersection of the Future</i> Eduardo Serafin <i>UC Berkeley ITS Technology Transfer Program - Complete Streets Safety Assessments for Local Agencies/ Tribal Governments in California</i>	4C: Travel Forecasting With and Without Models Moderator: John Keating, Linscott Law & Greenspan Presenters: Joe Totten <i>Portland State University - Cross-Elasticities in Frequencies and Ridership for Urban Transit Routes</i> Joan Lim <i>StreetLightData - Using Big Data for Statewide Models: Lessons from Colorado</i> Wu Sun <i>SANDAG - Calibration and Validation of an Activity-based Model</i> Don Hubbard <i>WSP Parsons Brinckerhoff - Over the Edge - Forecasting Beyond the Boundaries of the Regional Model</i>	4D: Vision Zero and Other Safety Programs Moderator: Keith Rand, ADVANTEC Consulting Engineers Presenters: Hans Lremont <i>City of Fremont, CA - Fremont Vision Zero 2020 - Swedish Levels of Safety in a Silicon Valley Suburb</i> Kevin Chang <i>University of Idaho - Safety Data Management and Analysis: Addressing Our Continuing Education Needs</i> John Lower <i>Iteris - Every MPH Counts - Setting Speed Limits for All Users</i> Brian Genovese <i>City of San Diego - Improving Safety for Active Transportation in San Diego</i>
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Tuesday, June 20

Technical Program Schedule

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ROOM:	Las Palmas & Marseilles	Terrazza	Sorrento	Portofino
TUESDAY, 8:30 AM to 10:00 AM	5A: Big Data Applications Moderator: Adam Lyons, Iteris Presenters: Ashley Kim <i>Cal Poly San Luis Obispo - Estimating Transit Ridership Patterns Through Automated Data Collection Technology</i> Sal Akhter <i>StreetLight Data - Drilling Down on Big Data: Types, Sources, and Use Cases</i> John Kerenyi <i>City of Moreno Valley - Open AWAM: Open-Source Bluetooth Travel Time System</i> Theresa Dau-Ngo <i>Port of Long Beach - Port of Long Beach Traffic Count Information System</i>	5B: California's SB 743 Moderator: Dawn Wilson, STC Traffic Presenters: Katy Cole <i>Fehr & Peers - VMT: Now That's a Horse of a Different Color</i> Tim Erney <i>Kittelson & Associates - Orange County's Proactive Approach to SB 743 Implementation</i> Pete Ruscitti <i>WSP Parsons Brinckerhoff - Proposed Approach to Introducing VMT to Local Planning and Environmental Review</i> Martin Engelmann <i>Contra Costa Transportation Authority - Addressing the Requirements of SB 743 at the County, Subarea, and Local Levels</i>	5C: Active Transportation: Pedestrian and Bicycle Analysis Moderator: Ray Davis, RED3 Consulting Presenters: Grant Schultz <i>Brigham Young University - So What's a Bicycle Lane in Utah Good For, Anyway?</i> Stephanie Cheng <i>Michael Baker International - Different ATPs for Different Communities: Making Active Transportation Plans Work for You</i> Kendra Rowley <i>Fehr & Peers - Safety Efficacy Confidence Levels for Pedestrian and Bicycle Treatments</i> Perry Gross <i>Atkins North America - The Social and Cultural Gap: An Active Transportation Bridge</i>	5D: Student Resume Workshop Facilitator: Josh McNeill <i>Iteris</i> <i>Students, bring your resume to be professionally reviewed. No advanced sign-up necessary!</i>
	6A: Signal Systems for Rail and Other Applications Moderator: Lee Hansen, Intelight ITS Presenters: Kevin Aguigui <i>Kimley-Horn - Preparing Downtown San Rafael for the SMRT Commuter Rail System</i> Jonathan Hofert <i>Los Angeles Metro - Wireless Interconnect Between Traffic Signal and Train Control Cabinets</i> Ralph Boaz <i>Pillar Consulting - Understanding How Advanced Transportation Controllers Are a Key to Our Future</i> Mathew Cox <i>IBI Group - Setting the Stage for Transit Signal Priority in San Diego: Effectiveness and Lessons Learned</i>	6B: Planning the Future of Transportation Using Mobility as a Service and Other Techniques Moderator: Katy Cole, Fehr and Peers Presenters: Alejandro Henao <i>University of Colorado - Impacts of Ridesourcing on VMT, Mode Replacement, and Travel Behavior</i> Jill MacKay <i>IBI Group - Connecting Transit "Deserts" Through Automated Vehicles and Mobility as a Service</i> Tracy Scriba , Federal Highway Administration - <i>Transportations Systems Management and Operations (TMSO) Strategies and Practices from the Strategic Highway Research Program (SHRP2)</i> Corey Connors <i>Fehr and Peers - Knowledge Management for Transportation Engineering Firms</i>	6C: Transit Planning and Operations Moderator: Sam Morrissey, Iteris Presenters: Jonathan Dong <i>City of Seattle - Making Communities Better Through Transit: Speed and Reliability Spot Improvements</i> Randy Johnson , DKS Associates and Anthony Buczek , Oregon Metro - <i>Fitting Big BRT in the Small Starts Box: Planning BRT in a Constrained Corridor</i> Nathan Schmidt <i>Fehr & Peers - SANDAG's Unified Safe Routes to Transit Planning for the San Diego Region</i> Freddy He <i>Stantec - Keep the LRT Train on Schedule, Traffic Flowing, and Pedestrians Safe</i>	6D: Young Professionals Career Survival Guide Facilitator: Josh McNeill <i>Iteris</i> <i>Learn how to deal with some of the challenges of being a young professional in today's workplace from transportation professionals. No advanced sign-up necessary!</i>
TUESDAY, 10:30 AM to 12 NOON	7A: Arterial Signal Traffic Control Moderator: Tom Stiles, Intelight ITS Presenters: Susan Langdon <i>Stantec - Automated Traffic Signal Performance Measures - Fitbit for Your Signal System</i> Paul Barricklow and Chris Sobie <i>Lee Engineering - Coors Boulevard, Albuquerque, Automated Traffic Signal Performance Measures</i> Mike Kenney <i>Chen Ryan - El Camino Real Peer-to-Peer (P2P) Traffic Signal Coordination Evaluation</i> Joseph Couples <i>Western Systems - Adaptive Signals for Congestion Mitigation in Seattle</i>	7B: MUTCD, NACTO, and HCM: Policies and Manuals for a Complete Streets Future Moderator: Tracy Moriya, ADVANTEC Consulting Engineers Presenters: Aaron Elias <i>Kittelson & Associates - The New Highway Capacity, 6th Edition - a Guide for Multimodal Mobility Analysis</i> Zaki Mustafa, PE, and Shirley Zamora Vasquez <i>City of Los Angeles - The NACTO Manuals and Designing for Vision Zero</i> John Fisher, PE <i>MUTCD Update</i>	7C: New Transportation Modes and Methodologies Moderator: Freddy He, Stantec Presenters: Seitu Coleman <i>Cal Poly San Luis Obispo - Development Opportunities and Potential Success of the California High Speed Rail System</i> Brian Bochner <i>Texas A & M Transportation Institute - Embracing Change: Smart Growth Development Proven to Reduce Site Traffic</i> Bill Lieberman <i>CHS Consulting Group - Gondolas as a Form of Public Transportation</i>	7D: Young Professionals & the 21st Century Workplace Facilitator: Josh McNeill <i>Iteris</i> <i>Join other young professionals in a panel discussion about the realities, myths, and future of the 21st Century workplace. No advanced sign-up necessary!</i>
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TUESDAY, 2:00 PM to 3:30 PM	7A: Arterial Signal Traffic Control Moderator: Tom Stiles, Intelight ITS Presenters: Susan Langdon <i>Stantec - Automated Traffic Signal Performance Measures - Fitbit for Your Signal System</i> Paul Barricklow and Chris Sobie <i>Lee Engineering - Coors Boulevard, Albuquerque, Automated Traffic Signal Performance Measures</i> Mike Kenney <i>Chen Ryan - El Camino Real Peer-to-Peer (P2P) Traffic Signal Coordination Evaluation</i> Joseph Couples <i>Western Systems - Adaptive Signals for Congestion Mitigation in Seattle</i>	7B: MUTCD, NACTO, and HCM: Policies and Manuals for a Complete Streets Future Moderator: Tracy Moriya, ADVANTEC Consulting Engineers Presenters: Aaron Elias <i>Kittelson & Associates - The New Highway Capacity, 6th Edition - a Guide for Multimodal Mobility Analysis</i> Zaki Mustafa, PE, and Shirley Zamora Vasquez <i>City of Los Angeles - The NACTO Manuals and Designing for Vision Zero</i> John Fisher, PE <i>MUTCD Update</i>	7C: New Transportation Modes and Methodologies Moderator: Freddy He, Stantec Presenters: Seitu Coleman <i>Cal Poly San Luis Obispo - Development Opportunities and Potential Success of the California High Speed Rail System</i> Brian Bochner <i>Texas A & M Transportation Institute - Embracing Change: Smart Growth Development Proven to Reduce Site Traffic</i> Bill Lieberman <i>CHS Consulting Group - Gondolas as a Form of Public Transportation</i>	7D: Young Professionals & the 21st Century Workplace Facilitator: Josh McNeill <i>Iteris</i> <i>Join other young professionals in a panel discussion about the realities, myths, and future of the 21st Century workplace. No advanced sign-up necessary!</i>

Technical Program Schedule

Wednesday, June 21

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ROOM:	Las Palmas & Marseilles	Terrazza	Sorrento	Portofino
WEDNESDAY, 8:30 AM to 10 AM	8A: Ramp Metering and Toll Collection Strategies Moderator: Justin Link, Kimley-Horn Presenters: Lin Zhang <i>TJKM Transportation Consultants - Implementing All Electronic Tolling on Bridges in the San Francisco Bay Area</i> Christopher Chin <i>UC Berkeley - Operation of the Metering System for the San Francisco Oakland Bay Bridge</i> Travis Low <i>Cal Poly San Luis Obispo - The I-80 Adaptive Ramp Metering: User Satisfaction and Operational Perspective</i> Guangchuan Yang <i>University of Nevada, Reno - Queue Storage Length Design for Metered On-Ramps</i>	8B: Roundabout Planning and Operations Moderator: Ben Waldman, Stantec Presenters: Alek Pochowski <i>Kittelson & Associates - Roundabouts and Bikes: Like Oil and Water or Fish and Tacos?</i> David Stanek <i>Fehr & Peers - Operations and Safety of Bicycles at Roundabouts</i> Gary Warkentin <i>Michael Baker International - The I-5/ La Novia Roundabout - Challenges and Lessons from Being First</i>	8C: What's New in Planning in the West? Moderator: Edgar Perez, Parsons Presenters: Christopher Eaves <i>Seattle DOT - The Final 50 Feet of Urban Goods Delivery</i> Darlene Danehy <i>Psomas - Major Changes in Trip Generation for Large-Scale Residential Projects</i> Jonathan Upchurch <i>Transportation Engineering Consultant - Preparing for the August 21, 2017 Total Solar Eclipse</i> Tamara Zdvorak <i>Fehr & Peers - Visual Communication in the Planning Industry</i>	8D: Safety at Traffic Signals Moderator: Ryan Germeroth, Town of Castle Rock, CO Presenters: Jeanne Bowie <i>Kinney Engineering - Emergency Signal Warrant Case Studies in Anchorage, Alaska</i> Lingling Yang <i>Stantec - Statistical Analysis of Impacts of Yellow Intervals on Stop Bar Violations</i> Gordon Lum <i>Willdan Engineering - How Effective is Automated Red Light Enforcement?</i>
	9A: Traffic Signal Systems for Small Cities Moderator: Jay Dinkins, City of Santa Monica Presenters: Steve Fitzsimmons <i>W-Trans - Traffic Signal Systems for Small Cities</i> John Dorado <i>ADVANTEC Consulting Engineers - Legacy IP: What's In It For Me? The Culver City Experience</i> Lee Hansen <i>Intelligent - Distributed Adaptive Solution: A Case Study</i>	9B: Complete Streets: Sample Projects Moderator: Eduardo Serafin, UC Berkeley ITS Technology Transfer Program Presenters: James Bittner <i>City of San Jose DOT - A Road Diet for Main Street - What are the Impacts?</i> Aaron Heumann <i>City of Littleton, CO - Mineral Avenue Corridor Assessment</i> Mark Esposito <i>ADVANTEC Consulting Engineers - A Tale of Two Modes in Santa Monica</i>	9C: Bridges, Tunnels, and Freeways Moderator: Erik Zandvliet, City of Manhattan Beach Presenters: Michael Mauch <i>UC Berkeley ITS/PATH - An Empirical Examination of Freeway Travel Reliability</i> Kevin Carstens <i>DKS Associates - Enhancing Capacity and Managing Demand: The San Francisco-Oakland Bay Bridge</i> Jonathan Upchurch <i>Transportation Engineering Consultant - Evaluating Capacity of the Zion-Mt Carmel Tunnel in Zion National Park</i> Steve Colman, PTP <i>The Roads Not Taken: San Francisco's Freeway Revolt Revisited</i>	9D: Traffic Control Devices Moderator: Joe Shultz, Rick Engineering Company Presenters: Emilio Murga <i>CSU Fullerton - Left Turn Violation Reductions for At-grade Intersections with Internally Illuminated Raised Pavement Markings</i> Randy McCourt <i>DKS Associates - Electronic Display Traffic Control Devices</i> Robert Kahn <i>RK Engineering Group - Service Rate Capacities for Electronic Gates</i>

See you at future Western District Annual Meetings!



June 24 – 27, 2018 in Keystone, Colorado

June 23 – 26, 2019 in Monterey, California

June 28 – July 1, 2020 in Honolulu, Hawaii