

Technical Program Schedule

MONDAY, JULY 20

Room:		Celebrity 6-8			
8:30 AM – 10:00 AM SESSION 1		1: Keynote Presentation Mike Hand, Regional Transportation Commission of Southern Nevada – Funding Transportation in Southern Nevada: Past, Present, and Future			
TRACK:	A	B	C	D	
	SAFETY & MULTI-MODAL	PLANNING & TECHNOLOGY	OPERATIONS	WORKSHOPS	
Room:	Wilshire A	Wilshire B	Sunset 3-4	Sunset 5-6	
10:30 AM – 12:00 PM SESSION 2	2A: Complete Streets Moderator: Mark Spencer, W-Trans Josh Mello, Alta Planning + Design - Wine Barrels, Straw Wattles and Elbow Grease: Playing Around with Monterey Road Perry D. Gross, Atkins - Complete Streets in the West: Public Policy Implications Mike Janssen, City of Las Vegas - Downtown Las Vegas Complete Street Retrofit Program	2B: Effective Tools in Data Collection Moderator: Jimmy Lin, KOA Corporation Grant G. Schultz & Samuel Mineer, Brigham Young University - Using the Carousel Method to Collect Average Vehicle Occupancy Data for Multi-Lane Freeways Sittipan (Band) Sittikariya, Seattle Department of Transportation - Vehicle Travel Time Collection Technology in Seattle Mike Spack, Spack Consulting - Top 10 Ways Video Data Collection is Improving My Engineering	2C: Traffic Signal Advancements Moderator: Jim Poston, RTC Washoe County Tim Curns, Ada County Highway District - Ada County Highway District's Flashing Yellow Arrow Initiative Jose Guedes, ADVANTEC Consulting Engineers - Minimizing the Impact of Latest MUTCD on Traffic Signal Operation Eric Lee Niemeyer, Southern Oregon Public Defenders - Flashing Yellow Arrow (FYA) for Protected/Permissive Left Turns (PPLT) at Signalized Intersections	2D: Workshop - The World of Mobility is Changing: What are YOU Doing About It? Moderator: Sam Morrissey, Iteris, Inc. Panelists: Dan Mitchell, City of Las Angeles DOT Fred Dock, City of Pasadena DOT Maureen Gardiner, City of San Diego Planning Dept.	
1:30 PM – 3:00 PM SESSION 3	3A: Bicycle Facility Planning & Design Moderator: Justin Link, MNS Engineers, Inc. Min Zhou, KOA Corporation – Class IV Bike Lane (Cycle Track) – Changing the Level of Traffic Stress Mike Gill, Stantec - Bicycle Performance Metrics as Part of Signal Retiming Dongho Chang, Seattle Department of Transportation - Seattle's Second Avenue Protected Bike Lane	3B: Corridor Management Moderator: Walter Okitsu, KOA Corporation Randy McCourt, DKS Associates - Advanced Traffic Management Systems – Getting the Most out of Congested Freeway Corridors Jim Damkowitz, Kittelson & Associates, Inc. - Application of Caltrans Smart Mobility Framework for the US101 Corridor Mobility Master Plan in San Luis Obispo County Jin Wang, Atkins - Integrated Corridor System Management: A Case Study Of State Route 4 (Sr 4) In California	3C: Traffic Management Moderator: Jenny Grote, City of Phoenix Scott Thomas, Apex Design - ATM in Colorado: Three Unique Projects, One Common Goal Ali Gholami, University of Nevada, Reno - Estimating Intersection Turning Volumes from Actuated Non-Coordinated Traffic Signals Gary Hansen, LIN Consulting - Maintaining Traffic during the Gerald Desmond Bridge Replacement Project-Port of Long Beach, CA	3D: Workshop - California's SB 743 - Using VMT as a Performance Measure for Transportation Studies for Transportation Studies Moderator: KC Yellapu, LLG Engineers Ron Milam, Fehr and Peers - California's SB 743 and Early VMT Case Studies Erik Ruehr, VRPA Technologies/ITE - SB 743: A Transportation Engineer's Perspective Mike Bagheri, City of Pasadena - City of Pasadena Transportation Impact Analysis - Beyond Auto LOS Mike Calandra, SANDAG - VMT Analyses for Subregional Transportation Studies	
3:30 PM – 5:00 PM SESSION 4	4A: Safety Analysis & Planning Moderator: Karen Aspelin, Parametrix Jacob Farnsworth, Kimley-Horn & Grant G. Schultz, Brigham Young University - Safety Hot Spot Analysis Methodology in Utah Matt Braughton, Kittelson & Associates, Inc. - Identifying and Prioritizing Pedestrian and Bicycle Priority Safety Corridors for the State of Oregon Jimmy Woo, ADVANTEC Consulting Engineers - Advantage and Disadvantage of a Diverging Diamond Interchange (DDI)	4B: Transportation Planning Tools Moderator: John Kerenyi, City of Moreno Valley Tim Erney, Kittelson & Associates, Inc. - Review of VMT Estimating Tools in Advance of SB743 Implementation Vasin Kiattikomol, Kittelson & Associates, Inc. - Travel Time Reliability Application for Planning-Level Transportation Project Evaluation Abhro Mitra, Turner & Townsend - Appraising Project Risks in Non-Traditional Delivery of Large Scale Infrastructure Assets	4C: Lessons Learned in Traffic Operations Moderator: Jim Harris, JTHarris and Associates Jerome W. Hall, University of New Mexico - Lessons Learned from 45+ Years of Traffic Engineering Research Leo Lee, ADVANTEC Consulting Engineers - Lessons Learned from 3 Regional Traffic Signal Synchronization Programs, San Bernardino County, Orange County, and Bay Area in California Jason Cambridge, Seattle DOT, Trevor Partap, Seattle DOT, Erin Ehlinger, Parsons Brinckerhoff - The Seattle Department of Transportation's ITS Program - Lessons Learned from a Leading Edge Urban ITS	4D: Arterial Performance Management Workshop Christopher M. Day, Purdue University	

TUESDAY, JULY 21

8:30 AM – 10:00 AM SESSION 5	5A: Pedestrian Safety Moderator: Amit Kothari, TJKM Zaki Mustafa, LADOT, Faisal Hamood, Lanelight, Emelinda M. Parentela, CSULB, Crystal Killian, LADOT - In-Road Warning Lights: Revisiting Pedestrian Crosswalk Application Dan Andersen, CH2M Hill, Inc. - Collaborative Regional Planning for Safe and Efficient Multimodal Access to Schools Daniel B. Fambro Student Paper Award (Winner) Nick Ferenchak, University of Colorado-Denver - Spontaneous Order of Pedestrian and Vehicle Interactions in Shared Spaces	5B: Bicycle Detection Technology Moderator: Kevan Shafizadeh, California State University, Sacramento Matt Zinn, Eberle Design - Bike Detection Using Inductive Loop Technology Roger Koehler, Iteris - Differential Bike Detection: One Tool for Meeting USDOT Secretary's Mayor's Challenge Lisa Okimoto, Portland Bureau of Transportation - Blue Light Special: Improving Bicycle Infrastructure with Active Feedback Devices	5C: Adaptive Traffic Control Systems Moderator: Randy McCourt, DKS Associates Joe Mineiro, Trafficware - SynchroGreen and Non-Standard Applications of Adaptive Signal Control Larry Haas, Colorado Department of Transportation - 5.9 million Annual Reduction in Stops Along Corridor Leads to Dramatic Decrease in Rear-end Crashes Jim Hanson, Atkins - Prioritization of Corridors for Adaptive Signal Control Technology	5D: Student Career Development Resume Review Workshop Neelam Dorman, ITE Southern California Section President, Western District Career Guidance Chair <i>Bring your resume to be professionally reviewed. No advanced sign up necessary.</i>
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Technical Program Schedule (continued)

TUESDAY, JULY 21				
TRACK:	A SAFETY & MULTI-MODAL	B PLANNING & TECHNOLOGY	C OPERATIONS	D WORKSHOPS
Room:	Wilshire A	Wilshire B	Sunset 3-4	Sunset 5-6
10:30 AM – 12:00 PM SESSION 6	<p>6A: Roadway Safety Improvements Moderator: Dalene J. Whitlock, W-Trans Benjamin T. Waldman, City of Arvada, Colorado - Blending a Roundabout into the 40 West Art District and Improving Safety and Bike/Ped Connectivity</p> <p>Kevin Carstens, Cal Poly, San Luis Obispo - Toward Measuring Pavement Conditions to Optimize Roadway Treatments</p> <p>Victoria Edington & W. Freddy He, Stantec - Combining Signal Timing, Detection Technology, and Alternative Intersection Design to Improve Traffic Operations and Safety on a Popular Mountain Highway in Colorado</p>	<p>6B: Intersection Simulation Modeling Moderator: Rock Miller, Stantec David Stanek, Fehr & Peers - Simulation Analysis of Intersection Treatments for Cycle Tracks</p> <p>Ian Barnes, Fehr & Peers - Evaluation of Microsimulation Software Analysis Packages for Intersections near Railroad Grade Crossings</p> <p>SM Alam, AECOM - Micro-simulation of a Metered Roundabout at Freeway Ramp Termini, Los Angeles, California</p>	<p>6C: Operational Performance Assessments Moderator: Saul Kane, LIN Consulting Ronald G. Keith, Orange County Transportation Authority - An Overview of the Orange County Transportation Authority's Regional Traffic Signal Synchronization Program</p> <p>M. Scott Shea, University of Utah - Operational Performance Assessment of innovative High Speed Urban Arterial Intersections – A Case Study in Salt Lake City, UT</p> <p>Jim Hanson, Atkins - Evaluating Driver Experience through Effective Use of Performance Measures</p>	<p>6D: Young Professionals Career Development Workshop Neelam Dorman, ITE Southern California Section President, Western District Career Guidance Chair - Learn the 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.</p>
2:00 PM – 3:30 PM SESSION 7	<p>7A: Multi-modal Planning Moderator: Jennifer Rosales, City of San Clemente</p> <p>Alice Chen, Kittelson & Associates, Inc. - Caltrans Smart Mobility Framework: An Approach for Performance-based Multi-modal Planning</p> <p>Alejandro Henao, University of Colorado-Denver - Comparing and Evaluating the Impacts of Evolving Urban Transportation Modes Including Carsharing, On-demand Ridesourcing, and Intermodality</p> <p>Nick Ferenchak, University of Colorado-Denver - Commute Mode and Mental Health in Major Metropolitan Areas</p>	<p>7B: Information Technology for Transportation Projects Moderator: Tim Harpst, Horrocks Engineers, Inc.</p> <p>Jaime Rodriguez, Traffic Patterns - Internet of Things (IoT) Supporting Transportation</p> <p>Dan Spoelstra, City of Portland, Bureau of Transportation - Efficiency Compounded: How Portland used a simple GIS app to coordinate a multi-million dollar, citywide LED conversion</p> <p>Alexander Paz, University of Nevada, Las Vegas - Business Intelligence for Transportation and Infrastructure Systems in Nevada</p>		<p>7C: Freeway System Management Moderator: Jamie Archambeau, Atkins Vijay R.E. Arvind and Emelinda M. Parentela, California State University, Long Beach - Reversible Lane: Exploring Lane Management Alternatives</p> <p>Lisa Burgess, Kimley-Horn - I-15 Dynamic Mobility Project</p> <p>Khizran Shah and Emelinda M. Parentela, California State University, Long Beach - A Case Study on Potential Benefits of V2V Technology on Freeway Safety</p>
WEDNESDAY, JULY 22				
8:30 AM – 10:00 AM SESSION 8	<p>8A: Transit Operations Moderator: Lee Cabell, Horrocks Engineers, Inc.</p> <p>Bobby Sidhu, Cal Poly University, San Luis Obispo - Exploring Data Driven Models of Transit Travel Time & Delay</p> <p>Kiavash Fayyaz Shahandashti, University of Utah - Fare Payment Structure and Dwell Time</p> <p>Paul F. Brown, Jacobs Engineering Group - Why Did the Eagle Cross the Road?</p>	<p>8B: Transit Modeling Moderator: Ashley Kim, Cal Poly, San Luis Obispo</p> <p>Allen Nie, Hatch Mott MacDolad - An Integrated Light Rail Modeling Approach - The Calgary Solution</p> <p>W. Freddy He, Stantec - Using Micro-simulation Models to Develop Innovative Train and Traffic Control Solutions for the I-225 Light Rail Line</p> <p>Randy Johnson and Sai Sirandas, DKS Associates - Multi-Resolution Modeling to Support Transit Design</p>	<p>8C: Special Event Management & HCM Update Moderator: Mark Greenwood, City of Palm Desert</p> <p>Edward Miller, ADVANTEC Consulting Engineers - Special Event Traffic Management: Outlets at Tejon Grand Opening</p> <p>Jim Bloodgood, Snohomish County - Oso Landslide Remembrance Day</p> <p>Erik O. Ruehr, VRPA Technologies - Major Update of the 2010 Highway Capacity Manual</p>	<p>8D: FHWA Congestion and Bottlenecks Workshop Part 1 David K. Hale, Leidos, Inc., and James Sturrock, FHWA</p>
10:30 AM – 12:00 PM SESSION 9	<p>9A: Transportation Security & Vehicle Technology Moderator: Jenny Grote, City of Phoenix Alfredo Cabrera, ADVANTEC Consulting Engineers - Designing a California Commercial Vehicle Enforcement Facility (CVEF) for the 21st Century</p> <p>Kevin Chang, University of Idaho - Transportation Security: An Assessment from the Practitioner Community</p> <p>Britton Hammit, University of Wyoming - Connected Vehicle Road Weather Condition System</p>	<p>9B: New Ideas in Land Use Planning Moderator: Joann Mitchell, Kinney Engineering, LLC</p> <p>Matt Goynes, Fehr & Peers - Overcoming Barriers to Mixed-Use Infill Development: Let's Get Trip Generation Right</p> <p>Nate Larson, HDR - The How and Why of Analyzing Station Access in Suburban TOD Assessment</p> <p>Devin Moore, Kimley-Horn - Estimating Public Charter School Pick-Up/ Drop-off Queuing</p>	<p>9C: Parking Operations & Transportation Networks Moderator: Tom Mericle, Public Works Department, City of Ventura</p> <p>Alex Chambers, Cal Poly San Luis Obispo - Toward Improving the Understanding of Traffic Network Effects of Commercial Airports</p> <p>Jason Miller, California Department of Transportation (Caltrans) - Cost Effectiveness of Park and Ride (P&R) Lots</p> <p>Boniphace Kutela, University of Nevada, Las Vegas - Technical Feasibility Study of Passenger Rail Service along the West Route between Las Vegas and Los Angeles</p>	<p>9D: FHWA Congestion and Bottlenecks Workshop Part 2 David K. Hale, Leidos, Inc., and James Sturrock, FHWA</p>