



Conference Program

TUESDAY, JANUARY 3, 2017

2:00 p.m. Vendor Setup, Atrium and Gallery Exhibit Areas

6:30 p.m. Speakers' Dinner (By invitation only), Hosted by the Institute of Transportation Engineers – New Mexico Section Consultants' Council (Kokopelli Ballroom)

WEDNESDAY, JANUARY 4, 2017

7:00 a.m. Registration - Conference Center Pre-Conference Area

OPENING GENERAL SESSION (Yucatan/Taos/LC/SF Room)

Presiding – Rafi Tarefder, Professor, Department of Civil Engineering, UNM

8:00 University's Welcome – Christos Christodoulou, Associate Dean for Research, SOE, UNM

8:05 FHWA's Welcome – J Don Martinez, Division Administrator, Federal Highway Administration, Santa Fe

8:10 State Transportation Commission Update – Keith Mortensen, State Transportation Commissioner, District 3

8:15 State Transportation Update – Tom Church, Cabinet Secretary, NMDOT

8:45 Local Perspective – Dewey Cave, Executive Director, Mid-Region Council of Governments

9:00 Keynote Speech – Thomas D. Everett, Associate Administrator, Office of Infrastructure, FHWA

BREAK

10:00 - 10:30 a.m. – Refreshments, Exhibit Area

GENERAL SESSION 1 (Yucatan/Taos/LC/SF Room)

Connected Vehicles and Materials Value

Presiding – David Trujillo, District 4 Engineer, NMDOT

10:30 Connected Vehicle Gap Analysis, Adrian Guan, ITS America

11:00 Delivering Material Values, Dan Staebell, Asphalt Pavement Alliance

11:30 Awards, Mahmoud Taha, Chair, Department of Civil Engineering, UNM

WEDNESDAY LUNCHEON

12:15 to 1:30 Lunch Available in Exhibit Hall (Tam/Coz/Cor/Can Room)

CONCURRENT SESSION 2A (Yucatan Room)*Innovative Intersection Designs for Sustainable Traffic Flow*

Presiding – Kurt Thorson, Bohannon Huston, Inc.

1:30 Diverging Diamond, Kevin Eades, Molzen Corbin

2:00 Continuous Flow Intersection, Ron Mortimer, Horrocks Engineers

2:30 12th/Menaul Roundabout, Kellie Shaw, former City of Albuquerque and Jim Heimann, WSP | Parsons Brinckerhoff**CONCURRENT SESSION 2B (Taos/LC/SF Room)***Sustainability Through Cold Recycling*

Presiding – Mo Moabed, HollyFrontier Refining & Marketing LLC

1:30 Cold In-Place Recycling (CIR) Contractor's Perspective, Chuck Valentine, Pavement Recyclers

2:00 CIR Laboratory Results and Performances, Everett Crews, Ingevity

2:30 Full Depth Reclamation, Charlie Atherton, ARMAZ

BREAK

3:00 - 3:30 Refreshments, Exhibit Area

CONCURRENT SESSION 3A (Yucatan Room)*New Technology for Collecting Survey Data*

Presiding – Chris Baca, Parametrix

3:30 Drone Surveys - Photogrammetry, Bob Pusey, Parametrix

4:00 Comparing Mobile LiDAR and Conventional Survey, Mark Salazar, NMDOT South Region, and Andrew Gallegos, WHPacific, Inc.

4:30 Catwalk Trail Reconstruction using LiDar in Design, Tandy Freel and Sean Melville, Bohannon Huston, Inc.

CONCURRENT SESSION 3B (Taos/LC/SF Room)*Resiliency of Asphalt Binder*

Presiding – James Gallegos, NMDOT

3:30 Modified Asphalt for Resiliency, Bob McGennis, HollyFrontier Refining & Marketing LLC

4:00 Modeling Healing of Asphalt Binder, Amina Mannan, UNM

4:30 Addressing Asphalt Bitumen Aging Through the Viscous to Elastic Transition, Chris Holmes, Kraton Corporation

5:30 ITE Social - Hosted by the Institute of Transportation Engineers – New Mexico Section Industry Council (ITE Members and Guests)

THURSDAY, JANUARY 5, 2017

7:00 - Breakfast, Hosted by New Mexico Contractors and Materials Suppliers (Tam/Coz/Cor/Can Room)

CONCURRENT SESSION 4A (Yucatan Room)*Design Innovations to Meet Limited Budgets*

Presiding – Jim Barrera, Horrocks Engineers

8:30 US 82 Project – Getting the Most Value from a Limited Budget US 82, Timothy Parker, NMDOT District 2 and Dave Pennington, VP, WSP | Parsons Brinckerhoff

9:00 NM 159 Mogollon, Michael Smelker, NMDOT and Chris Baca, Parametrix

10:00 Accelerated Bridge Construction, Larry Reasch, Horrocks Engineers

CONCURRENT SESSION 4B (Taos/LC/SF Room)*Sustainability Through Hot Recycling*

Presiding – Brian Jones, APANM

8:30 Hot In-Place Recycling, Steve Cross, Oklahoma State University

9:00 Indefinite Delivery/Indefinite Quantity (IDIQ) and EDC-4, Jason Dietz, FHWA

10:00 Performance of RAP in HMA, Hasan Faisal, UNM

BREAK

10:00 - 10:30 Refreshments, Exhibit Area

CONCURRENT SESSION 5A (Yucatan Room)*Our Changing Transportation System*

Presiding – Derek Meier, Wilson & Company

10:30 FHWA Everyday Counts, Bryan Cawley, FHWA

11:00 Autonomous Vehicles and the Future of Roadway Design, John DiRuggiero, Bohannon Huston, Inc.

11:30 Proper uses of dynamic lane merges, Tim Brown, NMDOT

CONCURRENT SESSION 5B (Taos/LC/SF Room)*Infrastructure Assessment*

Presiding – Jeff Mann, NMDOT

10:30 In Situ Verification of Resilient Modulus and Permanent Deformation Control for Geogrid Stabilized Aggregate Base, David White and Pavana Vennapusa, Ingios Geotechnics, Inc.

11:00 FHWA's Sustainable Pavements Program, Monica Jurado, FHWA

11:30 On GPR Data Analysis, Mesbah Ahmed, UNM

THURSDAY LUNCHEON

12:15 - 1:30 On Your Own

CONCURRENT SESSION 6A (Yucatan Room)*Assessing and Planning our Transportation Infrastructure*

Presiding – Gregory Rowangould, UNM

1:30 Ramah Navajo Long Range Transportation Plan and Strategic Safety Plan, Joe Sanchez, Ramah Navajo DOT Director, and Stan Reich, WHPacific, Inc.

2:00 Automated Traffic Signal Performance Measures, Paul Barricklow, Lee Engineering

2:30 The Current State of Sidewalk ADA Compliance and Alternative Funding Methods For Albuquerque, NM, Maria del Pilar Rodriguez, UNM Civil Engineering

CONCURRENT SESSION 6B (Taos/LC/SF Room)*Infrastructure Monitoring and Safety*

Presiding – Percy Ng, UNM

1:30 Consequence-Based Management of Complex Bridge Networks Using Wireless Smart Sensors, Fernando Moreu Alonso, UNM

2:00 Update NMDOT Transportation Safety – What's Going On, Jessica Griffin, NMDOT and John Nitzel, CH2M

2:30 Advanced Slurry Seal and Micro Surfacing Treatments, Ralph Meeks, Ergon Asphalt and Emulsions

BREAK

3:00 - 3:30 Refreshments, Exhibit Area

GENERAL SESSION 7 (Yucatan Room)*Engineering Ethics*

Presiding –Parveez Anwar, NMDOT

3:30 - 5:30 Brian Legan, NMDOT

Professional Development Hours (PDHs) may be claimed for attending the Paving and Transportation Conference. Each hour of participation earns one (1) PDH; attendees must maintain their own record of attendance.