



## Theme: Resilient Transportation

### Conference Program

#### **TUESDAY, JANUARY 3, 2023**

- 2:00 p.m. Vendor Setup – Exhibit Hall (Cancun Room)  
 6:30 p.m. Speakers' Dinner – *by invitation only* (Kokopelli Ballroom)

#### **WEDNESDAY, JANUARY 4, 2023**

- 7:00 a.m. Registration – Conference Center Foyer

#### **OPENING GENERAL SESSION** (Yucatan & Taos Rooms)

Presiding – Rafi Tarefder, UNM

- 8:00 University's Welcome  
 8:05 FHWA's Welcome – Cynthia Vigue, New Mexico Division Administrator, FHWA  
 8:20 State Transportation Update – Ricky Serna, Cabinet Secretary, NMDOT  
 8:50 Local Perspective – Elias Archuleta, Bernalillo County  
 9:10 Keynote Address – LaToya Johnson, FHWA, Washington D.C.

#### **BREAK**

- 10:00 - 10:30 Refreshments – Exhibit Hall (Cancun Room)

#### **GENERAL SESSION 1** (Yucatan & Taos Rooms)

##### *Influence of Climatic Conditions on Paving and Transportation*

Presiding – James Gallegos, NMDOT

- 10:30 Wildland Fire Impacts on Transportation – Jim Jones, Los Alamos National Laboratories  
 11:00 Resiliency Across Water and Transportation – WSP  
 11:30 NMDOT Awards

<b>WEDNESDAY LUNCHEON</b> 12:15 - 1:30    Lunch – Exhibit Hall (Cancun Room)	
<b>CONCURRENT SESSION 2A</b> (Yucatan Room) <i>I-40 Corridor Study, Arizona State Line to Albuquerque: Project Update and Creative GIS Applications for Phase A/B Corridor Studies</i> Presiding – Summer Herrera, NMDOT 1:30    I-40 GIS Project Overview – Stephanie Miller, Parametrix 2:00    Applying GIS to the Corridor – Josh Ahmann, Parametrix 2:30    What Are We Learning About the I-40 Corridor? – Stephanie Miller, Parametrix	<b>CONCURRENT SESSION 2B</b> (Taos Room) <i>Climate Adaptive Pavements</i> Presiding – Terrill Wade, Holly Asphalt 1:30    Versatility of Emulsion to Meet Future Demands – Jenna Bowers, Ingevity 2:00    Warm Mix Asphalt- A Proven Technology to Lower Carbon Emissions – Everett Crews, Ingevity 2:30    Tensar Geogrids in I-25 Hatch, NM Roadway Application – Andreas Linnan, NMDOT, Aaron Schlessinger, Tensar and Jeff Mann, WSP
<b>BREAK</b> 3:00 - 3:30    Refreshments – Exhibit Hall (Cancun Room)	
<b>CONCURRENT SESSION 3A</b> (Yucatan Room) <i>ITS &amp; Connected Infrastructure</i> Presiding – Chris Baca, Parametrix 3:30    Leveraging Automation for Mobility and Safety Solutions – Hicham Chatila, Parametrix 4:00    The Power of AI for Predictive Maintenance – Jacob Halu, Blynscsy 4:30    Using Big Data for Today's Infrastructure and Policy Challenges – Michael Lally, Replica	<b>CONCURRENT SESSION 3B</b> (Taos Room) <i>Innovative Methods and Materials for Pavement Sustainability</i> Presiding – Kelly Montoya, NMDOT 3:30    EDC-6 TOPS Initiative: The Roles of HiMA – Bob Kluttz, Kraton Polymers US LLC 4:00    Practical Methods for The Introduction of Waste Plastic Into Asphalt – Chris Wacinski, Ecologic Material Corporation 4:30    RAP Binder: Recovering, Testing, and Creating Blend Charts – Shawn Hammer, Fisher Industries
5:00 <b>ITE SOCIAL</b> The Institute of Transportation Engineers New Mexico Section welcomes members and guests to this evening social event supporting the Jerome W. Hall Ph.D. P.E. Memorial Scholarship. (Kokopelli Room)	
<b>THURSDAY, JANUARY 5, 2023</b> 7:00 a.m.    Breakfast – Hosted by New Mexico Contractors and Materials Suppliers – Exhibit Hall (Cancun Room)	

<p><b>CONCURRENT SESSION 4A</b> (Yucatan Room)</p> <p><i>Sustainable Transportation</i></p> <p>Presiding – Jim Barrera, Horrocks</p> <p>8:30 ENVISION: Blueprint for Sustainable Infrastructure on I-25/University – Wyatt Kartchner and Andrew Wong, Molzen-Corbin</p> <p>9:00 An Electric Vehicle Ecosystem for the Enchanted Circle – Daniel Pritchard, Renewable Taos</p> <p>9:30 Automated Vehicle Noise Enforcement: Opportunities and Challenges – Nick Ferenchak, UNM</p>	<p><b>CONCURRENT SESSION 4B</b> (Taos Room)</p> <p><i>Emerging Methods of Pavement Recycling: Case Studies of Pavement Projects</i></p> <p>Presiding – Shawn Hammer, Fisher Sand &amp; Gravel</p> <p>10:30 CIR Use in the Midwest – Dan Schellhammer, Midstate Reclamation</p> <p>11:00 NMDOT's FDR Implementation – James Gallegos, NMDOT</p> <p>11:30 The Coming Carbon Neutrality Drive – Everett Crews, Ingevity</p>
<p><b>BREAK</b></p> <p>10:00 - 10:30 Refreshments – Exhibit Hall (Cancun Room)</p>	
<p><b>CONCURRENT SESSION 5A</b> (Yucatan Room)</p> <p><i>E-Construction</i></p> <p>Presiding – Steve Metro, Wilson</p> <p>10:30 E-Ticketing Technologies for Efficient Asphalt Delivery Ticket Collection and Quantity Calculation – Gena Robertson and Su Zhang, UNM</p> <p>11:00 Bridge Construction Monitoring using LIDAR – Fernando Moreu, UNM</p> <p>11:30 Leveraging Digital Delivery – Nathan Humphrey, Horrocks</p>	<p><b>CONCURRENT SESSION 5B</b> (Taos Room)</p> <p><i>Asphalt Materials and Mix Designs</i></p> <p>Presiding – Brian Jones, APANM</p> <p>10:30 Balanced Mix Design Key Performance Innovation – Fan Yin, NCAT</p> <p>11:00 A DOT Perspective of Warm Mix Asphalt – Ryan Brown, Ingevity</p> <p>11:30 Crack Sealing with Emulsion Materials – Kevin Gullick, Seal Master</p>
<p><b>THURSDAY LUNCHEON</b></p> <p>12:15 - 1:30 Lunch on Your Own</p>	
<p><b>CONCURRENT SESSION 6A</b> (Yucatan Room)</p> <p><i>Planning for Pedestrians</i></p> <p>Presiding – Nick Ferenchak, UNM</p> <p>1:30 NMDOT Pedestrian Safety Action Plan &amp; Implementation Progress – Rosa Kozub, NMDOT</p> <p>2:00 Pedestrian Walk Audits – Alexis Verson, Horrocks</p> <p>2:30 GIS for Installing Pedestrian Hybrid Beacon Crossing Areas – Tyler Roller and John Baker, NMDOT</p>	<p><b>CONCURRENT SESSION 6B</b> (Taos Room)</p> <p><i>Inverted Pavements</i></p> <p>Presiding – Jeff Mann, WSP</p> <p>1:30 Background, Technology, and Practices of Inverted Pavements, Hasan Ozer, ASU</p> <p>2:00 Design and Construction of Inverted Pavements in New Mexico, Bryce Simons, NMDOT (ret.)</p> <p>2:30 Evaluation of Field Performances of NMDOT's Inverted Pavements, Hao Yin, NMDOT</p>

**BREAK**

3:00 - 3:30      Refreshments – Exhibit Hall (Cancun/Tampico/Cozumel/Coronado Room)

**GENERAL SESSION 7** (Yucatan Room)*Engineering Ethics*

Presiding – Parveez Anwar, Western Technologies Inc.

3:30 - 4:30    Brian Legan, ACNM

**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.**