

Navigating Tomorrow's Infrastructure: Innovations in Transportation and Construction Engineering

APRIL 17-19, 2024

NM

• **TRANSCON** •

New Mexico's Premier Transportation
and Construction Conference

Program Agenda

Las Cruces Convention Center
680 E. University Ave.
Las Cruces, New Mexico





Engineering solutions since 1932

WILSON
& COMPANY
HIGHER RELATIONSHIPS

With a team of experts in planning, design, and construction administration, we collaborate with our clients to provide transportation solutions, paving the way for reliable infrastructure development.

Our Purpose

We bring people together to practice their craft, to create value, and to accomplish great things.

wilsonco.com

**Thank you,
Wilson & Company!**

KEYNOTE SPONSOR
OF NM TRANSCON 2024!

Welcome to the Conference

It is my pleasure to welcome you to the 2024 New Mexico Transportation and Construction Conference.

In gathering for this annual event, we celebrate innovation, collaboration, and advancements in engineering. Our collective efforts shape the future of transportation infrastructure, construction methodologies and have the power to revolutionize how we move people and goods, build sustainable infrastructure, and create resilience in the systems and processes we design.

With that in mind, I extend my sincerest gratitude to our sponsors, vendors, speakers, volunteers, and steering committee members, as well as professional partners from the American Planning Association, New Mexico; New Mexico Section of the American Society of Civil Engineers; American Council of Engineering Companies, New Mexico; Associated Contractors of New Mexico; New Mexico offices of the Federal Highway Administration; Asphalt Pavement Association of New Mexico; and, New Mexico Department of Transportation for the support and ideas that make this conference possible. Thank you.

Over the course of the next few days, we will hear about the latest advancements and exchange invaluable insights in several thematic areas, including safety, bridge infrastructure, innovative technologies, research, funding, infrastructure maintenance, and more.

May our time together inspire new ideas, collaborations, and solutions that will shape a brighter future for all New Mexicans and generations to come.

Warm regards,

Craig Newton, Ph.D.

**Civil Engineering Department Head and Ed Foreman Professor
New Mexico State University**



2024 New Mexico TransCon Conference Co-Chairs:

Craig M. Newton, Ph.D. and Qianyun (Gloria) Zhang, Ph.D., New Mexico State University

WEDNESDAY, APRIL 17, 2024

8:00 a.m. Sponsor and vendor booth registration and set-up **HALLWAY**

10:00 a.m. Attendee registration opens

1:00 p.m. Opening Session **EXHIBIT HALL**

Moderator: Craig Newton, Ph.D., NM TransCon Chair; Department Head,
NMSU Civil Engineering

Welcome

Speakers: Craig Newton, Ph.D. and David Jáuregui, Ph.D., P.E., Interim Dean,
NMSU College of Engineering

1:20 p.m. Opening Remarks from New Mexico's Lieutenant Governor

Introduction: Dan Aguirre, P.E., Senior Vice President, Public Infrastructure,
Wilson & Company

Speaker: Howie Morales, Ph.D., Lieutenant Governor, State of New Mexico

1:40 p.m. Opening Remarks from New Mexico's Secretary of Transportation

Introduction: Dan Aguirre, P.E., Senior Vice President, Public Infrastructure,
Wilson & Company

Speaker: Ricky Serna, Cabinet Secretary, New Mexico Department of
Transportation

2:20 p.m. Update from the American Society of Civil Engineers

Introduction: Dan Aguirre, P.E., Senior Vice President, Public Infrastructure,
Wilson & Company

Speaker: Marsia Geldert-Murphey, P.E., FASCE, President, American Society of
Civil Engineers (ASCE) Global

2:50 p.m. Announcement: Booth Champions Challenge

Speaker: Gabby Contreras-Apodaca, P.E., Senior Associate & Southwest BCPL,
Stantec

3:00 p.m. Break and Vendor Exhibits **HALLWAY**

A refreshment station is located outside the ballrooms at the east end of the
building.

3:30 – 5:00 p.m. TRACK 1: Transportation Research

TRACK 1 BALLROOM

Moderator: TBA

Title 1: What Goes into Producing the Concrete, Asphalt, and Precast/Prestressed Products of Tomorrow, Today? Presenter: Stanley P. Jobe, Owner, Jobe Materials, L.P.

Title 2: Energy Impacts of Traffic-Smoothing Cruise Controllers on Mixed Traffic. Presenter: Jose Carlos Acedo Aguilar, Graduate Student, University of Texas-El Paso

Title 3: Accelerated Sulfate Attack Testing. Presenters: Saleh Mousavinezad and Craig Newton, Ph.D., New Mexico State University

Title 4: Supplementary Cementitious Materials to Mediate Alkali-Silica Reaction. Presenters: Judit Garcia and Craig Newton, Ph.D., New Mexico State University

3:30 – 5:00 p.m. TRACK 2: Transportation Safety

TRACK 2 EXHIBIT HALL

Moderator: Daphne Espejel-Garcia, Ph.D., Engineering Faculty, Universidad Autónoma de Chihuahua

Title 1: Road Infrastructure Safety – A Storymap Collection of Road Safety Audits in New Mexico: 2012-2023. Presenter: Alma D. Pacheco, GIS Analyst, NMDOT Planning Division-Multimodal Planning and Programs Bureau

Title 2: Increasing Driver Awareness with Connected Work Zones. Presenter: Kirk Thrasher, Southwest Regional Sales Manager, Horizon Signal Technologies, Inc.

Title 3: NMDOT RSA Guidebook. Presenters: Paul Barricklow, P.E., PTOE, Lee Engineering; Jason Coffey, HSIP Technical Unit Supervisor, NMDOT

Title 4: Intelligent Urban Mobility: Channeling Data for Enhanced Traffic Safety in Chihuahua, Mexico. Presenter: Daphne Espejel-Garcia, Ph.D., Engineering Faculty, Universidad Autónoma de Chihuahua

3:30 – 5:00 p.m. TRACK 3: Bridge Infrastructure Construction TRACK 3 BALLROOM 2

Moderator: Kimberly Coleman, P.E., Engineering Manager, NMDOT Bridge Bureau

Title 1: Sunport Blvd. Extension: Paving the Way for Future Infrastructure. Presenter: Logan Brandenburg, P.E., Vice President, Traffic and Transportation, Bohannon Huston, Inc.

Title 2: Eliminating a 100-Mile Detour – Gila River Bridge Slides. Presenters: Robert Ringwald, P.E., S.E., Associate Vice President, AECOM, and Ben Ansley, P.E., Senior Bridge Engineer, AECOM

Title 3: 4th Street Over I-40 Bridge Slides. Presenters: Robert Ringwald, P.E., S.E., Associate Vice President, AECOM, and Ben Ansley, P.E., Senior Bridge Engineer, AECOM

THURSDAY, APRIL 18, 2024

7:00 a.m. Breakfast: EXHIBIT HALL

Assorted breakfast burritos and salsas, fruit brochettes, coffee, tea, juice

2024 Student Poster Session and Competition

Moderator: Qianyun (Gloria) Zhang, Ph.D., Assistant Professor, Department of Civil Engineering, NMSU

8:15 – 9:45 a.m. TRACK 1: Innovation and Technology TRACK 1 BALLROOM 1

Moderator: Edward Halbig, NMDOT Research and Climate Bureau Chief

Title 1: An Impact Evaluation of Strategic Cyberattacks on Autonomous Vehicles: Safety, Mobility, and Energy Consumption. Presenter: Fernando Sepulveda, Undergraduate Research Assistant, University of Texas-El Paso

Title 2: Remote Sensing on Highways: Inventory and Evaluation with Photogrammetry for Roads Conservation. Presenter: Miguel Mendez, M.E., Engineering Faculty, Universidad Autónoma de Chihuahua

Title 3: Multidimensional Modeling for Multidimensional Projects: 2D Hydraulic Modeling for Highway Projects Across New Mexico. Presenters: Vince Steiner, P.E., CFM, Water Resources Engineer, Bohannon Huston, Inc. and Madeline Olivas, P.E., Water Resources Engineer, Bohannon Huston, Inc.

8:15 – 9:45 a.m. TRACK 2: Communities and Environment TRACK 2 BALLROOM 2

Moderator: Marisa Maez, Senior Strategic Communications Consultant, HDR

Title: Connecting with Remote and Rural Communities: Simple Methods to Create Meaningful Public Engagement.

Panelists:

Richard Perce, Groundwork Studio Project Manager/Landscape Designer

Jennifer Mullins, NEPA Public Engagement Specialist, New Mexico Department of Transportation

Mo Moabed, P.E., County Engineer, Doña Ana County, New Mexico Public Works Department

Vernon Lujan, Taos Pueblo Deputy COO, Chairman of the Northern Pueblos Regional Transportation Planning Organization

8:15 – 9:45 a.m. TRACK 3: Funding

TRACK 3 ROOMS 7-9 (WEST END)

Moderator: TBA

Title 1: Electrification Lifecycle: From Funding to Design. Presenters: Sydney Maves; Dorottya (Dora) Miketa, AICP, PP; and, Brent Molendyk, TYLin

Title 2: Connecting Capital to Communities. Presenters: Boya Dai, AICP; and Robert McHaney, AICP, CTP, The Goodman Corporation

Title 3: Leveraging Public Private Partnership to Increase Safety and Connectivity on NM 109/Jarales Rd. Presenters: Sandra Lopez, P.E., Technical Support Engineer, New Mexico Department of Transportation, and Stephen Lujan, P.E., Transportation Engineer & Project Manager, Wilson & Company

9:45 a.m. Break and Vendor Exhibits

HALLWAY

A refreshment station is located outside the ballrooms at the east end of the building.

10:00 – 11:30 a.m. TRACK 1: Infrastructure Maintenance

TRACK 1 BALLROOM 2

Moderator: Zhe Wan, Ph.D., Assistant Professor, NMSU Department of Civil Engineering

Title 1: Enhancing Road Network Performance with Cost-Effective Rehabilitation Techniques. Presenter: Jenna Bowers, P.E., Recycling and Stabilization Innovation Manager, Ingevity Pavement Technologies

Title 2: Survival Life and Life-Cycle Cost Analysis of Airfield Pavement Markings
Presenter: Zhe Wan, Ph.D., Assistant Professor, NMSU Department of Civil Engineering

Title 3: City of Albuquerque Complete Streets Maintenance Program. Presenters: Bridgete Garret, Project Manager, Department of Municipal Development, City of Albuquerque and Andrew Sutliff, P.E., Lead Civil Engineer, WSP USA Inc.

Title 4: Enhancing Culvert Capacity Assessment Through Regression Analysis of DEM Data
Presenters: S.M. Asaduzzaman Reshad; Huidae Cho, Ph.D., P.E., CFM, GISP, New Mexico State University

10:00 – 11:30 a.m. TRACK 2: Construction

TRACK 2 BALLROOM 1

Moderator: Brian Legan, Director of Operations, Associated Contractors of New Mexico; Ross Lujan, Associated Vice President, TYLin

Title 1: Techniques to Maximize Construction Resources.
Presenter: Mike Moehn, P.E., Fisher Sand and Gravel NM, Inc.

Title 2: Advanced Communication for Construction with AI.
Presenter: Emiliano Martinez, P.E., Albuquerque Asphalt, Inc.

Title 3: Build America Buy America - NMDOT Update.
Presenter: Jessica Hunter, P.E., NMDOT

Title 4: Variable Depth Milling and Paving.
Presenter: Mark Larranaga, Topcon Positioning Systems

10:00 – 11:30 a.m. TRACK 3: Transportation Safety

TRACK 3 ROOMS 7-9 (WEST END)

Moderator: TBA

Title: Transportation Safety, a Vision for Tomorrow

Panelists:

Using New Mexico’s Crash Data Dashboard. - Tommy Myszka, P.E., RSP1, Highway and Traffic Safety Engineer and Project Manager, Jacobs Engineering

Examining New Mexico’s Interstates Through a Safety Lens. - Mahdi Rajabi, Ph.D., Roadway Safety Technologist, Jacobs Engineering

Vulnerable Road User Safety in New Mexico. - Brandon Gonzalez, AICP, Principal, SW Regional Lead, Alta Planning + Design, Inc.

Strategic Highway Safety Plan for New Mexico. - Jason Coffey, Technical Unit Supervisor, Multimodal Planning and Programs Bureau, NMDOT

11:30 a.m. Break and Vendor Exhibits

HALLWAY

11:45 a.m. Keynote Luncheon

EXHIBIT HALL

Moderator: Craig Newton, Ph.D., NM TransCon Chair; Department Head, NMSU Civil Engineering

Keynote Address: Marsia Geldert-Murphey, P.E., FASCE, President, American Society of Civil Engineers (ASCE) Global

Introduction: Dan Aguirre, P.E., Senior Vice President, Public Infrastructure, Wilson & Company

Recognitions and Scholarship Awards

Samuel P. Maggard Endowed Scholarship

Presented by Craig Newton, Ph.D., NM TransCon Chair; Department Head, NMSU Civil Engineering

(continued on next page)

Recognitions and Scholarship Awards

NMDOT Construction and Civil Rights Bureau Award

Presented by Leslie Fortier, Construction Liaison Engineer, NMDOT

ACNM Scholarships

Presented by Brian Roche, ACNM Scholarships Committee

ASCE New Mexico Section Scholarships

Presented by Logan Brandenburg, P.E., ASCE Past President, New Mexico Section

1:30 p.m. Break and Vendor Exhibits HALLWAY

A refreshment station is located outside the ballrooms at the east end of the building.

1:45 – 3:15 p.m. TRACK 1: Innovation and Technology TRACK 1 BALLROOM 1

Moderator: TBA

Title 1: Advancing Innovation Through Parametric Storm Drain Parts. Presenters: Chris Harman, P.E., National Director of Digital Delivery and Innovation for WSP’s U.S. Transportation and Infrastructure business; and, Amanda Ramirez, Engineer Technician V, North Region Design, NMDOT.

Title 2: The Power of Geospatial Technology in SUE and Utility Coordination. Presenters: John Gallegos, CEO, CSTi; David Acosta, P.S., President, CSTi; and Christina Preas, P.E., SAM

Title 3: The New Mexico State Travel Demand Model Program: Another Tool in the Toolbox. Presenter: David A. Nelson, Travel Demand Modeler, NMDOT

1:45 – 3:15 p.m. TRACK 2: Transportation Safety TRACK 2 BALLROOM 2

Moderator: Brandon Gonzalez, AICP, Principal and Southwest Regional Lead, Alta Planning + Design, Inc.

Title: “Walk the Walk”: Making NM Roadways Safer for Pedestrians

Panelists:

Part I: State of Pedestrian Safety, Brandon Gonzalez, Principal and Southwest Regional Lead, Alta Planning + Design; Alexis Version, Senior Transportation Planner and Planning Practice Lead, Horrocks

Part II: NMDOT Ped Safety Action Plan Update, Samuel Jensen, Bicycle, Pedestrian, and Equestrian Coordinator, NMDOT

Part III: Implementation of Pedestrian Countermeasures, Claire Woodman, Senior Project Manager, Horrocks

3:15 p.m. Break and Vendor Exhibits

HALLWAY

A refreshment station is located outside the ballrooms at the east end of the building.

3:30 – 5:00 p.m. TRACK 1: Structural Engineering

TRACK 1 BALLROOM 1

Moderator: Qianyun (Gloria) Zhang, Assistant Professor, NMSU Department of Civil Engineering

Title: BIM and AI: A Powerful Combination for the Future of Infrastructure Engineering

Part 1: From Blueprints to BIM: The 3D Shift Transforming Civil Engineering

Presenter: Terry Walters, Technology Specialist, Stantec

Part 2: Digital Delivery, MALD, and Construction.

Presenter: Brad Hollister, P.E., Infrastructure Digital Practice Team, Stantec

Part 3: AI Revolution: Transforming Civil Engineering and Beyond.

Presenter: Terry Walters, Technology Specialist, Stantec

3:30 – 5:00 p.m. TRACK 2: Communities and Environment TRACK 2 BALLROOM 2

Moderator: Ruinian Jiang, Ph.D., P.E., Professor, NMSU Department of Engineering Technology

Title 1: New Mexico's Wildlife Corridors Action Plan – Highlights and Implementation

Presenter: James Hirsch, Wildlife Coordinator, NMDOT

Title 2: Reaching Communities Across New Mexico – A closer look at NMDOT's Guide to Public Involvement. Presenters: Jennifer Mullins, NEPA Public Engagement Specialist, NMDOT; Nick Fazio, Communications and Public Involvement Manager, WSP; Jennifer Hyre, Assistant Vice President, Environmental Planning, WSP

Title 3: How Quick Build Can be the Right Tool for Your Project. Presenters: Stephanie Shaw, Principal and General Manager, West Coast, TYLin; and Dorotyya (Dora) Miketa, AICP, PP, Associate at TYLin

Title 4: LANL Transportation Evolution. Presenters: Jay Faught, Transportation Director; and, Elliot Anderson Chavanne, Electric Vehicle Infrastructure Coordinator, Los Alamos National Laboratory

FRIDAY, APRIL 19, 2024

7:00 a.m. Breakfast EXHIBIT HALL

Assorted breakfast sandwiches and salsas, whole bananas, assorted danishes
coffee, tea, juice

**8:00 – 9:30 a.m. TRACK 1: Infrastructure Management TRACK 1 ROOMS 7-9
(WEST END)**

Moderator: David Trujillo, Jr., P.E., Drainage Design Bureau, NMDOT

Title: CAMP 2024 Update - Culvert Asset Management Program, Progress Overview of the
NMDOT Culvert Inventory slated to be completed in Summer 2024

Part 1: Update on NMSU Contributions to CAMP, Douglas Cortes, Ph.D., NMSU

Part 2: Update on NM Tech Contributions to CAMP, Claudia Wilson, Ph.D., NM Tech

Part 3: Management of CAMP Data Within NMDOT, Jeanetta Wyman, GIS, NMDOT

Part 4: Developing a Risk-based Analysis of CAMP Data Using Fuzzy Logic, Clinton Richardson,
Ph.D., NM Tech

Part 5: QA/QC Process of CAMP Data Using AI, Wes Cook, Ph.D., NM Tech

Part 6: Hydrology Modeling and CAMP, Huidae Cho, Ph.D., NMSU

Part 7: CAMP Phase II, 2025-2029, Susan Lime, P.E., Drainage Design Bureau, NMDOT

Part 8: Guidance to Special Provisions for Section 802-A: CAMP Data Collection, David Trujillo,
Jr., P.E. DDB, NMDOT

**8:00 – 9:30 a.m. TRACK 2: On Our Minds: Caring for our Mental Health TRACK 2
EXHIBIT HALL**

Moderator: Craig Newton, Ph.D., NM TransCon Chair; Department Head,
NMSU Civil Engineering

Presenter: Mike Schneider, VP, CPO, Baker Concrete Construction

9:30 a.m. Break and Vendor Exhibits HALLWAY

A refreshment station is located inside the Exhibit Hall.

9:45 a.m. Announcement: Winners of the Booth Champions Challenge EXHIBIT HALL

Moderator: Craig Newton, Ph.D., NM TransCon Chair; Department Head,
NMSU Civil Engineering

Speaker: Trent Doolittle, P.E., Senior Project Manager, Stantec

FRIDAY, APRIL 19, 2024

10:00 a.m. – 12:00 p.m.... Engineering Ethics 2024

EXHIBIT HALL

Moderators: Ken White, Ph.D., P.E., Regents Professor Emeritus, NMSU Department of Civil Engineering and, J. Phillip King, Ph.D., P.E., MBA, Retired Professor, NMSU Department of Civil Engineering, and Principal Engineer, King Engineering & Associates

Panelists:

John Lommler, Ph.D., P.E., D.GE, Principal Geotechnical Engineer, WSP USA Environment & Infrastructure Inc. and Adjunct Professor, NMSU Department of Civil Engineering

Karl Tonander, P.G., P.E., CEO, Souder, Miller & Associates and Member, New Mexico Board of Licensure for Professional Engineers and Professional Surveyors

Lisa Webster, Senior Project Manager, EEA Consulting Engineers

12:00 p.m. Student Poster Awards

Moderator: Qianyun (Gloria) Zhang, Ph.D., Assistant Professor, NMSU Department of Civil Engineering
Speaker: Seth McVey, P.E., Structural Engineer, Transportation, AECOM

12:30 p.m. Closing Remarks

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

molzencorbin.com
Albuquerque ♦ Las Cruces ♦ Carlsbad ♦ El Paso

2024 New Mexico Transportation and Construction Conference

CONFERENCE PLANNING COMMITTEE:

Conference Planning Committee Co-Chairs:

Craig Newtonson, New Mexico State University
Qianyun Zhang, New Mexico State University

Committee Members:

Paola Bandini, New Mexico State University
Logan Brandenburg, ASCE New Mexico Section
Huidae Cho, New Mexico State University
Kimberly Coleman, New Mexico Department of Transportation
Alvin Dominguez, ASCE New Mexico Section
Ahmed Elaksher, New Mexico State University
Daphne Espejel Garcia, Universidad Autónoma de Chihuahua
Roy Gibson, ASCE New Mexico Section
Andy Hume, Las Cruces International Airport / American Planning Association-New Mexico
Ruinian Jiang, New Mexico State University
Brian Legan, Associated Contractors of New Mexico
Andreas Linnan, New Mexico Department of Transportation
Ross Lujan, American Council of Engineering Companies-New Mexico
Sara Patricolo, New Mexico State University
Jerry Paz, ASCE New Mexico Section and Region 6
Gisela Perez, New Mexico State University
Albert “Bert” Thomas, American Council of Engineering Companies-New Mexico
Max Valerio, Federal Highway Administration – New Mexico Division
Shannon Vigil, New Mexico Department of Transportation
Zhe Wan, New Mexico State University

Keynote Sponsor

WILSON
& COMPANY

HIGHER RELATIONSHIPS

Research Sponsor

AECOM

NextGEN Sponsor

MOLZENCORBIN

An Employee-Owned Company

Innovation Sponsor



Booth Champions Challenge Sponsor



Gold Vendors



Bohannon  Huston  Horrocks.

 CobbFendley **Jacobs**



 **Terracon**

TYLin

Silver Vendors



Bronze Vendors



AECOM

Helping New Mexico move forward

AECOM is proud to sponsor the 2024 New Mexico TransCon.

Delivering a better world

 aecom.com

 **Stantec**

Design with community in mind

At Stantec, we are a proud local and regional leader in infrastructure and multi-modal transportation. We offer cost-savings approaches, strong agency relationships, and multi-discipline expertise.

44+
Years serving Southwest clients

60+
Professionals in New Mexico

17,600+
Transportation projects in last 5 years

Howie Morales

LIEUTENANT GOVERNOR NEW MEXICO

As New Mexico's Lieutenant Governor since 2019, Howie Morales has been an outspoken leader for students, educators, and classrooms – and a strong voice for small businesses and rural communities. He has been a champion of the state's colleges, universities, and career and technical programs. Morales has advocated successfully for better pay, benefits, and more respect for educators throughout the entire educational system.

As Lieutenant Governor, Morales serves as Chairman of the Aerospace States Association's New Mexico Chapter, promoting that exciting new industry in the state. He oversees meetings of the State Board of Finance, which supervises and provides oversight of the fiscal affairs of New Mexico. Morales also serves on the state Mortgage Finance Authority Board of Directors, supporting affordable housing and home ownership for New Mexicans. He is a member of the board of the New Mexico Border Authority, providing leadership in the development of the state's burgeoning international ports, and supporting new infrastructure, trade opportunities and job opportunities for a productive economy along the border.

Morales has been a thought leader with the National Lieutenant Governor's Association, where he has served on the Policy Committee of that body, composed of his fellow second-in-command colleagues.

Prior to becoming the state's 30th Lieutenant Governor, he served in the New Mexico Senate for 11 years on the influential State Legislative Finance Committee.

A native of Silver City, where he still resides with his two children, Morales earned a Ph.D. in Education from New Mexico State University – going on to be a classroom teacher and successful coach for a decade.



Ricky Serna
CABINET SECRETARY
NEW MEXICO DEPARTMENT OF TRANSPORTATION

Ricky Serna has worked in public education and state government for over a dozen years and previously served as acting leadership for the Department of Workforce Solutions and the State Personnel Office.

Prior to joining the Lujan Grisham administration, he served as the interim president at Luna Community College, where he successfully led an effort to overcome significant accreditation and governance challenges. He also served as the Vice President for Advancement at Northern New Mexico College and spent nearly five years with the New Mexico Higher Education Department, providing field oversight for a statewide project aimed at increasing student graduation rates within 21 school districts.

Serna has served on the New Mexico Highlands University Board of Regents, NM JTIP Board, the Las Vegas City Schools Board of Education, the New Mexico Educational Assistance Foundation, and as president of the Española Valley Chamber of Commerce Board. A first-generation college graduate from Española, N.M., he earned a bachelor's degree in elementary education and a master's degree in educational leadership, both from New Mexico Highlands University.



Marsia Geldert-Murphey, P.E., F.ASCE

2024 PRESIDENT, AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) GLOBAL

Specializing in transportation and geotechnical engineering, Geldert-Murphey currently works for the Lochmueller Group, a Midwestern consulting firm, where she is the regional director for the states of Missouri and Illinois. She has three decades of experience in civil engineering and construction.

An ASCE member since 1990, Geldert-Murphey is the former chair of the Public Policy and Practice Committee. She served on the ASCE Board of Direction from 2016-2019 as the Region 7 director. Her extensive ASCE activities include service on several Society-level committees such as program and finance, leader training, and diversity and women, as well as serving as a mentor. She also led the St. Louis Section as president in 2006.



**We look forward to
seeing you next year!**

NM TRANSCON 2025

April 23-25



Research and Climate Bureau

Promoting state-of-the-practice applied research and providing innovative solutions to transportation challenges in traffic safety, public awareness, aging infrastructure, sustainability, and climate resiliency.

 Professional Services	 STIC & EDC	Promoting Transportation Innovation That Improves Our Future
 On-Call Research	 Technology Transfer	
 Pooled Fund Studies	 Research Bureau Library	
 Literature Reviews or Best Practices	 Peer Exchange	
 Research Oversight Committee	 TRAC Program	

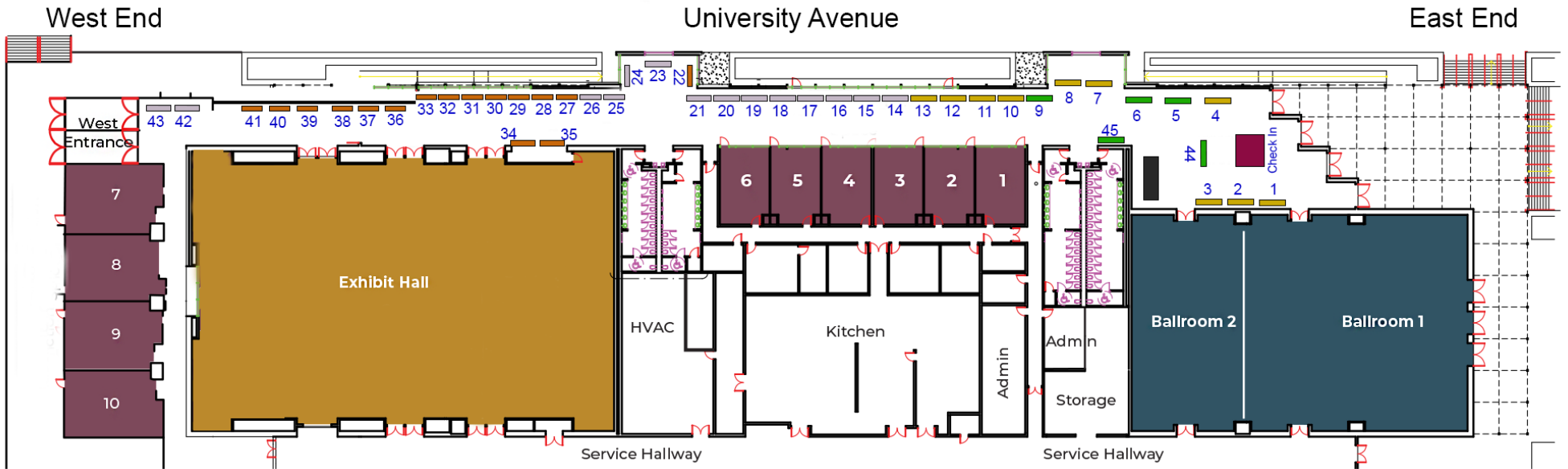
**7500B Pan American Freeway NE
Albuquerque, NM
87109**

www.dot.nm.gov/planning-research
Research.Bureau@dot.nm.gov

NM DOT Thank you for all of your support!

Las Cruces Convention Center

New Mexico Transportation and Construction Conference



- | | | | |
|----------------------------------|--------------------------------|---|--|
| 1. Cobb, Fendley & Associates | 13. Terracon Consultants | 25. Lee Engineering | 36. Xcessories Squared Southwest |
| 2. Paradigm Traffic Systems | 14. Asphalt Pavement Assoc. NM | 26. 3M | 37. Roadsafe Traffic Systems |
| 3. Bohannon Huston | 15. HDR Engineering | 27. P&M Signs | 38. AWP Safety |
| 4. Horrocks | 16. Advanced Drainage Systems | 28. Keystone Aerial Surveys | 39. GEOMAT |
| 5. AECOM | 17. FPT Infrastructure | 29. Pettigrew & Associates P.A. | 40. PSS Innovations |
| 6. Wilson & Company | 18. CA2 Testing | 30. Shur-Tite Products | 41. Traffic Signal Controls |
| 7. Holophane (Acuity Brands) | 19. Pathfinder Environmental | 31. Horizon Signal Technologies | 42. Student Organization |
| 8. TYLin | 20. Square Root Services | 32. Iteris | 43. Student Organization |
| 9. Molzen Corbin | 21. T2 Utility Engineers | 33. Souder, Miller & Associates | 44. Stantec |
| 10. Associated Contractors of NM | 22. CSTi | 34. WSP | 45. New Mexico Department
of Transportation |
| 11. RT Electric | 23. SAM | 35. College of Engineering
Graduate Programs | |
| 12. Jacobs | 24. Parametrix | | |