

Infrastructure Systems Sessions (Selected) at 2024 TRB Annual Meeting

Day	Time	Session: Number and Title			
Sunday	9:00 am–12:00 pm	1016-Implementing New Performance Tests into Pavement Quality Assurance Programs	1020-The Use of Artificial Intelligence for Site Characterization and Pile Design	1022-Climate Change Effects on Asphalt Mixture Performance Prediction: What Are the Gaps and Challenges?	
	1:30 pm–4:30 pm	1040-Planning for the Infrastructure Needs of Micromobility: Bike Lanes, Parking, and Electrification	1053-Redundancy of Steel Bridges: From Research to Design Practice and Implementation	1054-Stage That Bridge: Balancing Owner, Designer, Community, and Contractor Priorities on Complex Bridge Construction Projects	
		1058-Pavement Foundations: 100-Year Design Considerations	1059-Adjustment to Asphalt Mixtures to Meet Performance Testing Requirements and Allow Innovations	1061-A Look into the Future of Pavement Assessment	
		1065-Multi-Hazard Considerations for Safe, Secure, and Resilient Bridges and Other Transportation Infrastructure	1073-Track Resilience: Design, Construction, and Maintenance	1074-Resilient Freight Futures: Navigating Uncertainty and Empowering Decision Making in Freight Infrastructure Planning	
Monday	8:00 am–9:45 am	2016-The Three Es: Holistically Assessing the Sustainability of Asphalt Pavements	2018-Advancements on Techniques to Promote Self-Healing in Asphalt Mixtures	2019-Improving Concrete Pavement Design	2032-Integrating Hydrogen and Related Infrastructure in the Aviation System
		2033-Airfield Pavement Evaluation Criteria for Rutting, Roughness, Skid Resistance, and Survival Life Analysis for Pavement Markings		2043-Modern Materials in Concrete Mixture Design	2046-Innovation in Pavement Condition Evaluation: From Research to Practice
	10:15 am–12:00 pm	2069-Impact of Climate Change on the Seismic Design of Bridges		2074-Machine Learning Applications in Foundation Design and Performance: Site Variability in Load and Resistance Factor Design	2076-Research Findings, Implementation, and Practical Approaches for Concrete Durability
		2077-Concrete Pavement Assessment and Innovations		2080-Innovations in Pavement Preservation Treatments	2090-Hot Topics in Airfield and Airspace Performance
	1:30 pm–3:15 pm	2134-Emerging Technologies for Bridge Evaluation, Inspection, and Decision Support		2140-Advancements in Resiliency of Geotechnical Assets	2153-Current Trends in Rail Transit Infrastructure Research

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Monday	3:45 pm–5:30 pm	2189-Dialogue with Transportation Infrastructure Leaders	2194-Advancements in High Reclaimed Asphalt Pavement Asphalt Mixtures: Design, Performance, and Recycling Strategies	2197-Long-Term Bridge Performance Program	2219-Performance of Geomaterials Supporting Transportation Infrastructure	
Tuesday	8:00 am–9:45 am	3021-Supply, Demand, and Sustainable Use of Aggregates in Superpave 5 and Balanced Mix Designs	3035-National Airspace System Performance Changes After the Pandemic: Adaptation, Recovery, and Evolution	3038-Infrastructure Influence on Drivers		
		3060-Railroad Infrastructure Research		3061-Rail Transit Infrastructure Research		
	10:15 am–12:00 pm	3080-Bridge Joints and Ultra-High Performance Concrete Applications		3117-Concrete Pavement Technology and Performance		
	1:30 pm–3:15 pm	3134-Next Steps in Seismic Research and Bridge Element Performance	3152-Resilience in the Track Structure		3153-New Technology in Track Condition Assessment	
		3156-Airfield Pavements: Rehabilitation and Reconstruction Techniques, Warm Mix Asphalt with Reclaimed Asphalt Pavement, and a Deep Learning Model for Detecting Pavement Distress		3158-State DOT CEO Roundtable: Envisioning and Realizing the Next Era of America’s Transportation Infrastructure		
3:45 pm–5:30 pm	3185-Design and Operations of Transportation and Electrification Networks	3212-Recent Research on the Inland Waterway Transportation System		3219-Project Delivery Methods		
Wednesday	8:00 am–9:45 am	4014-Innovative Solutions, Applications, and New Advances in Foundation Design, Performance, and Integrity	4016-Low Embodied Carbon Pavements		4030-Building Better Bridges	
		4031-Building Better Asphalt Pavements			4035-Electric Vehicles and Charging Infrastructure: Impacts and Trends	
	10:15 am–12:00 pm	3116-Sustainable and Resilient Pavements		4062-Making Progress on the National Electric Vehicle Infrastructure Program: Updates and Perspectives from States		
	3:45 pm–5:30 pm	4083-New Materials for Infrastructure: Reinventing the Roadway, Runway, and Railway				