

# 2026 NJ TransAction Conference

## DRAFT WORKSHOP PRESENTATIONS as of 2/9/2026

The NJ TransAction Conference is currently working to assign presentation days and times

1. **NJDOT - Better Data = Better Decisions**  
NJDOT's Bureau of Transportation Data and Support (BTDS) oversees the collection, management, and dissemination of transportation data to meet internal needs and federal reporting requirements. To support this mission, BTDS has developed a combination of custom and off the shelf tools to track short term and permanent traffic counts, facilitate HPMS sample section collection, advance MIRE data development, and develop and display updated AADT flow data. This workshop will present each of these tools.
2. **NJ DOT - Exploring AI Pilots- NJDOT BRIIT Initiatives**
3. **NJ DOT - Beneficial Use of Dredged Materials for Marsh Restoration at Stouts Creek Impoundment**
4. **NJ DOT- Successful pollinators along NJ Roads and our Roadside Management Techniques**
5. **NJ DOT - LiDars: Remote Sensing Technology for Traffic Management**
6. **NJ DOT - Rt I-80 Sinkhole Mitigation: Emergency Sinkhole Closure and Traffic Impact**
7. **NJDOT - WORLD CUP... with assistant commish, fifa nj state police, njt director**
8. **NJ TRANSIT: Historic Preservation at New Jersey Transit - Protecting Our Legacy While Building For The Future**  
An overview of historic preservation at NJ TRANSIT will be presented from the perspective of capital project development. The regulatory framework that triggers historic preservation review (NEPA, Section 106, and the NJ Register of Historic Places Act) will be discussed. Attendees will gain insight into how historic preservation is integrated throughout the project lifecycle. The LCOR Hoboken Connect Project will be showcased. Challenges associated with historic preservation in a modern transit environment will be discussed.
9. **NJ TRANSIT: Innovative Technologies in Public Transport**
10. **NJ TRANSIT: Contracting Opportunities at NJT**
11. **NJ TRANSIT: Brielle Bridge Design**

- 12. GATEWAY - Hudson Tunnel Project Construction Update: Building the Most Urgent Rail Infrastructure Project in the Country**
- 13. GATEWAY - Better Relationships Build Infrastructure: The Hudson Tunnel Project Approach to Community Engagement**
- 14. AMTRAK - The New Amtrak Fleet**

An update on fleet upgrades coming to Amtrak. Hear the latest news about the NextGen Acela, as well as new regional equipment - the Airo - rolling out soon.
- 15. AMTRAK - Upgrading the Northeast Corridor for the Future**

Amtrak and its partners are investing billions of dollars in the Northeast Corridor and making generational upgrades to major chokepoints and bottlenecks. Get the latest updates on major projects happening up and down the Washington to Boston corridor.
- 16. AMTRAK - Penn Station Transformation Update**

With Andy Byford at the helm, the Penn Station Transformation is full speed ahead. Hear the latest updates on the project from those who know it best.
- 17. NJTPA - The NJTPA's Municipal Programs: Making Great Places Even Greater!**

This session spotlights the NJTPA's successful municipal programs including: the Complete Street Technical Assistance, Vibrant Places, and Planning for Emerging Centers Programs. Learn how these competitive programs, and the projects completed through them, result in implementation and great placemaking.
- 18. NJTPA - Getting the Signal: The NJTPA's Traffic Signal Strategic Investment Framework**

The NJTPA's Traffic Signal Strategic Investment Framework aims to strengthen the planning and investment in local traffic signals across the region. This session presents the objective and scope, how best practices were documented and aligned with the NJTPA's LRTP, the approach used to validate a dataset of traffic signals, and the network screening method with core data elements. The session also will include insights stakeholder engagement insights and cover how investment guides data driven prioritization of signal upgrades, operations, and maintenance.
- 19. NJTPA - Proven Traffic Safety Countermeasures in a Roundabout Way**

This session highlights successful implementation of traffic roundabouts (an FHWA Proven Safety Countermeasure) through the NJTPA's Subregional Safety Program. Presenters will cover lessons learned, local support, design considerations, and more. Monmouth County will spotlight how it has used federal and county funds to complete several roundabout examples.
- 20. NJTPA - You Talkin' to Me? Awesome Public Engagement Success Stories**

This session showcases public engagement best practices; among them: how the NJTPA gathered input from more than 4,000 people for *Connecting Communities: The NJTPA Long Range Transportation Plan*, targeted outreach conducted by the Voorhees Transportation Center at Rutgers to engage children and teens with the help of a new NJTPA mascot, and specialized public engagement for the East Orange, South Orange, and Montclair Safe Streets for All efforts.
- 21. NJTPA - Catching Up with the MPO Executive Directors**

This session brings together New Jersey's three MPOs: the North Jersey Transportation Planning Authority (NJTPA), the Delaware Valley Regional Planning Commission (DVRPC), and the South Jersey Transportation Planning Organization (SJTPPO). The executive directors of all three MPOs will address common issues, opportunities, and challenges regarding transportation planning in the state.

**22. Port Authority of NJ/NY - From Redlines to Real-Time: How AI Is Transforming Construction Drawing Reviews**

As construction drawings grow more complex, manual reviews struggle to keep up. This session dives into how AI-powered intelligence is reshaping how teams approve final revisions with greater speed and confidence. The Port Authority of NY & NJ presents the Transit Tech Lab's 1-Year pilot of Twin Knowledge (TK) will evaluate how AI-powered intelligence can automate the current Port Authority's construction document review process. Through advanced document analysis, Twin Knowledge flags critical changes across drawing iterations, aligns with standard template consistency, and validates information compliance standards which deliver efficient results. Over the course of the pilot, the Port Authority will assess whether these capabilities reduce review cycle times, improve accuracy, expedite capital project delivery, and seamlessly integrate with existing tools such as Bluebeam. Twin Knowledge strengthens Engineering governance by replacing manual reviews with an automated, standards-driven approach that improves accuracy, traceability, and confidence in design compliance.

**23. Port Authority of NJ/NY - Paper to Portal – JAWNT**

Nearly 85% of goods entering and leaving the port travel by truck, making secure, efficient gate access critical to daily operations. From click to cargo, Jawnt is a digital mobility platform that simplifies and modernizes transit pass enrollment for organizations, making it easier for employees, students, and customers to access public transportation. The Port Authority of NY & NJ presents the Transit Tech Lab's 1-Year pilot of Jawnt will support the PANYNJ's Truck Service Center (TSC) issuing of SeaLink PANYNJ truck driver identification cards. SeaLink enables trucks to move quickly and safely through our marine terminal gates, speeding the flow of thousands of containers in and out of the Port each day. Jawnt is focused on digitizing the current paper-based Truck company and Truck driver registration process, creating a self-service portal to expedite the issuance of SeaLink driver credentials. It's time to innovate the workday operations by reducing administrative burdens, while enabling vetted access to the region.

**24. Port Authority of NJ/NY - Transforming Flood Preparedness Through Real-Time Sensor Intelligence**

Flooding doesn't wait, so why should response planning? Learn how early warning signs, real-time water level sensors, and AI flood forecasting help protect critical operational resources and strengthen strategic decision making before storms strike. The Port Authority of NY & NJ presents the Transit Tech Lab's 1-Year pilot of Previsico, an AI-powered stormwater flood forecasting tool which predicts weather-driven disasters before they happen. By combining Previsico's live hydrodynamic flood model, real time water level sensors in critical flood pathways, and a centralized digital operational dashboard – businesses gain up to 48 hours' notice of flood risk and depth, providing clearer insight into deployment decisions. Previsico's stormwater flood forecast solution strengthens transportation governance by replacing manual reviews with enhanced forecast accuracy, accelerating response timelines, and strengthening the resilience of critical assets. With location-specific flood forecasts delivered up to 48 hours in advance combined with real time flood risk monitoring, organizations can move from reacting to flood events to proactively preventing their impact.

**25. (AA) VIP Panel- New Jersey's Transportation Agency Leadership, A View from the Top**

New Jersey is at a crossroads. Aging infrastructure, the need for a permanent solution to the transportation funding issue, new leadership in Trenton and Washington... What does this all mean for New Jersey and our transportation network? Thankfully, New Jersey's transportation agencies have experienced leaders at the helm. Hear from those leaders as they discuss the current state of affairs at their respective agencies and where the new administration plans to take our transportation network for the next four years.

**26. (AA) Pavement Preservation-Reducing costs and supporting our Environment**

This panel will explore how pavement preservation strategies are helping transportation agencies stretch limited dollars while advancing important environmental goals. Rather than waiting for roads to fail and relying solely on costly full-depth rehabilitation or resurfacing, pavement preservation focuses on applying the right treatment at the right time to extend pavement life at a fraction of the cost of traditional methods. Panelists will discuss how techniques pavement preservation lowers energy consumption and cuts greenhouse gas emissions compared to traditional mill-and-pave or full reconstruction projects. By keeping good roads in good condition, agencies can significantly reduce the carbon footprint associated with asphalt production, trucking, and construction activities.

**27. (AA) The growing role of Adaptive Transportation Network Companies for Paratransit in New Jersey in 2026 and Beyond**

Across the nation, mass transit agencies, counties, and other public transportation providers, have struggled to meet the growing demand for paratransit service. In recent years, agencies like NJ TRANSIT have sought to be innovative in how they enhance paratransit service through engagement with TNCs and other non-traditional service providers. Recently, advocates passed legislation to allow this new and innovative form of public transportation that will combine technology and a network of fully FTA compliant drivers to drive better performance, savings, and service. NJ TRANSIT has embraced this service and is now better equipped to ensure everyone, no matter their mobility needs, has access to safe, reliable, and affordable transportation. By adding TNC's to existing paratransit service, public transportation providers can significantly expand their service area and impact on the disabled and disadvantaged communities. Counties are now taking advantage of this new transportation option to deliver new options to their most underserved populations. Learn from NJ TRANSIT, private sector leaders and experts who have delivered paratransit service all over the country, and county leaders who are engaging with this new and innovative approach to paratransit service.

**28. SJTPO - Moving the Needle on Complete Streets: Data, Demos, and Public Engagement**

In 2024, SJTPO launched a Complete Streets Technical Assistance Program to support South Jersey communities through training and project-specific assistance. This session will provide a program update, highlighting a temporary demonstration project in Pennsville. Speakers will discuss use of the SJTPO lending library, installation of temporary traffic calming features, speed data collection, and public engagement. Updates on ongoing work in Buena and Egg Harbor City, along with upcoming application opportunities, will also be shared.

**29. SJTPO - Traffic Operations Backstage Pass: NJ Transportation Management Center (TMC) Video Showcase**

Step behind the scenes of real-time traffic operations through short video tours of Traffic Management Centers in NJ and the region. See how centers monitor conditions, detect and manage incidents, coordinate across jurisdictions, adjust signal timing, and deliver traveler information. Brief interviews with TMC staff offer candid insight into workflows, tools, communications, and rapid decision-making. Hosted by ITSNJ, this session offers a virtual visit to multiple TMCs and highlights their critical role in transportation operations.

**30. SJTPO - Common Traffic Signal Design Issues and How to Resolve Them from the Perspective of Installers and Maintainers**

Designing a traffic signal is the first step; during field implementation, challenges often arise. This session brings together controller manufacturers, contractors, and maintenance staff to discuss common design issues encountered during construction, activation, and long-term operation. Topics include cabinet layout, equipment compatibility, conduit routing, detection, grounding, communications, and wiring clearances. Attendees will gain practical insights to improve constructability, reduce change orders, ease troubleshooting, and extend system longevity. Hosted by the ITS NJ Traffic Signals Committee.

**31. SJTPO - A Showcase of Regional Travel Models in New Jersey: Current and Anticipated Future Applications**

**32. SJTPO – TBD**

**33. DVRPC - Before the Train Pulls In: Multimodal Planning for the Glassboro-Camden Line**

How do we plan for the areas surrounding major rail transit investments before they're built and operational? Join us as we explore strategies to incorporate community priorities, local transportation conditions, and geographic context into multimodal planning for two proposed Glassboro-Camden Line stations: Glassboro and Sewell. Learn how early, thoughtful planning can shape transit-supportive development, enhance connectivity and safety, and create vibrant, accessible communities.

**34. DVRPC – Regional Government Meeting Local Needs: Engagement & Design Support for Communities**

DVRPC will provide an overview of the Supporting Communities program, which helps municipalities identify granular transportation needs, develop planning solutions, provide technical assistance, and pursue funding. Through a case study in Woodbury, NJ that highlights DVRPC's engagement and planning work, we'll share insights about engaging with municipalities, connecting with residents to hear their needs, and designing short-term and long-term

**35. DVRPC - Designing Stakeholder Workshops That Deliver Value for All**

Workshops are a valuable forum for generating ideas and understanding priorities, but their success depends on producing insights that are meaningful for your organization. This session shares practical guidance and tips utilized by the DVRPC's Public Participation Task Force for the annual Unified Planning Work Program Workshop, including considerations for promotion, facilitation materials, and leading group discussions that generate relevant feedback. Walk away with approachable strategies for hosting stakeholder workshops that are both effective and welcoming!

**36. DVRPC - Safe Streets (placeholder)**

**37. DVRPC - Understanding Freight Growth and Congestion on US 322 in Gloucester County**

This session will present findings from DVRPC's US 322 Freight Corridor Study, which examines how rapid industrial growth and planned highway improvements are reshaping freight and passenger travel along a critical goods-movement corridor in Gloucester County, New Jersey. The presentation will describe how regional travel modeling, local traffic operations analysis, and land-use review were combined to understand existing bottlenecks, future truck demand, and the potential impacts of new development through 2050. Attendees will learn about a range of evaluated strategies and investments aimed at relieving congestion on the county-owned segment of US 322 while supporting freight activity and reducing community impacts.

**38. NJ COST (Paratransit & Community Transportation)**

**39. NJ COST (Paratransit & Community Transportation)**

**40. NJ COST (Paratransit & Community Transportation) - EZ RIDE - Data, Dollars, and Outcomes: How TNCs Strengthen County Transportation Services?**

**41. NJ COST (Paratransit & Community Transportation)**

**42. NJ COST (Paratransit & Community Transportation)**

**43. NJ COST (Paratransit & Community Transportation)**

**44. NJ COST (Paratransit & Community Transportation)**

**45. NJ COST (Paratransit & Community Transportation)**

**46. NJ COST (Paratransit & Community Transportation)**

**47. NJ COST (Paratransit & Community Transportation)**

**48. NJ COST (Paratransit & Community Transportation)**

**49. NJ COST (Paratransit & Community Transportation)**

**50. Moving Forward – Agency Actions (Part 1 of 2)**

How are our transportation agencies working together to keep people and goods moving safely, efficiently, and reliably? Join us for an in-depth discussion on major capital investments underway at NJDOT, NJ TRANSIT, New Jersey Turnpike Authority, South Jersey Transportation Authority, Port Authority of NY & NJ, and DRPA. We will explore key initiatives, project delivery approaches, interagency partnerships, and what lies ahead on the capital horizon. In addition, we'll highlight how these organizations are navigating change management—aligning stakeholders, adapting to evolving priorities, and ensuring continuity across complex, multi-agency programs. Come gain insight into how leaders are shaping the future of transportation and preparing for the next generation of infrastructure needs.

**51. Moving Forward – Agency Actions (Part 2 of 2)**

How are our transportation agencies working together to keep people and goods moving safely, efficiently, and reliably? Join us for an in-depth discussion on major capital investments underway at NJDOT, NJ TRANSIT, New Jersey Turnpike Authority, South Jersey Transportation Authority, Port Authority of NY & NJ, and DRPA. We will explore key initiatives, project delivery approaches, interagency partnerships, and what lies ahead on the capital horizon. In addition, we'll highlight how these organizations are navigating change management—aligning stakeholders, adapting to evolving priorities, and ensuring continuity across complex, multi-agency programs. Come gain insight into how leaders are shaping the future of transportation and preparing for the next generation of infrastructure needs.

**52. Getting Started with a Bicycle and Pedestrian Safety Campaign**

This presentation will guide you through the step-by-step process of developing a bicycle and pedestrian safety campaign, including defining goals, identifying audiences, selecting appropriate messaging, and choosing the right mix of media and outreach tools. The session will also address the importance of tone and tenor in safety messaging and explore how approaches—including the thoughtful use of humor—can be effective when applied appropriately.

**53. What Does New Jersey Law Say About Bicyclists and Pedestrians?**

This session provides an overview of Title 39, the New Jersey statute that defines the rights, duties, and responsibilities of pedestrians, bicyclists, and motorists. The presentation will translate legal language into plain terms, clarify how the law applies in real-world situations, and dispel common myths and misconceptions about who is permitted to do what on New Jersey roads. The session will also include an update on recent legislation related to e-bikes and micromobility.

**54. ETHICS for AICP & PDH (Hour 1)**

This 2-hour training satisfies ethics credits required for PE and AICP renewal. This session will cover ethics requirements for engineers and planners as well as discuss several case studies

**55. ETHICS for AICP & PDH (Hour 2)**

This 2-hour training satisfies ethics credits required for PE and AICP renewal. This session will cover ethics requirements for engineers and planners as well as discuss several case studies

**56. Evaluating Pavement Macrotecture Using 3D Laser Technology and Its Correlation with Skid Resistance**

Case Study on the Correlation between 3D laser survey of pavement macrotecture and skid resistance testing as an alternative to assessing wet weather accident prone pavements.

**57. Artificial Intelligence and the Future of Construction Dispute Resolution**

AI is revolutionizing industries worldwide with construction no exception. From project management to risk assessment, AI-driven tools are improving efficiency and effectiveness. How does AI factor into resolving construction disputes—one of the A/E/C industry's most persistent challenges? Tom Mitchell, a Senior Project Manager with 30+ years of experience, is at the forefront of AI applications in construction dispute resolution. He will explore AI's current uses, potential for resolving conflicts, and legal/ethical challenges to address.

**58. Capacity Constraints for NJTransit and How To Solve Them and Fund Them**

Proposals for the new NYC Penn Station don't include new capacity (including wider, safer platforms) for added NJTransit lines/capacity, such as peak hour one seat ride on Raritan Valley, and the MOM line, and underground expansion to the north or south of the Station are "on hold" per Amtrak's Andy Byford. Instead, Amtrak is studying "service optimization" and through-running" but there is no market for NJT riders to travel to Queens, Long Island or CT.

**59. Managing the experience cliff to retain institutional knowledge on the consultant and agency side**

Organizations in the built environment face an "experience cliff" as veteran talent exits, leading to knowledge loss and missed opportunities. This session presents a blueprint to capture knowledge and ensure continuity across programs. Attendees will learn to design effective project closeouts, decision logs, and playbooks aligned with governance and reporting pathways. Additionally, we explore how AI can enhance knowledge capture and retrieval while maintaining confidentiality and accuracy, providing a roadmap to stabilize institutional memory.

**60. Automating Speed Limit Sign Condition Monitoring with Edge AI**

This talk presents a real-world pilot using edge-based computer vision to automatically detect, locate, and assess the condition of speed limit signs. It covers system design, AI performance in live traffic environments, and lessons learned from deploying at scale. The session highlights how automated monitoring can improve roadway asset management, reduce manual inspections, and support safer, more reliable transportation systems.

**61. Supercharge your team with an AI-powered Virtual Traffic Operations Agent**

Modern traffic agencies are rich in data but poor in insight. Despite advanced detection systems, teams are overwhelmed by manual analysis and remain reactive, responding to complaints instead of optimizing networks. This session introduces Agentic AI: a domain-specific "Virtual Traffic Operations Assistant" designed for traffic engineering workflows. Unlike dashboards or generic AI, these agents multiply effectiveness by automating analysis, diagnosis, and actionable recommendations across traffic management operations.

**62. Norfolk Light Rail Station Remediation**

Discussion of design challenges and solutions for the inspection of the existing light rail platform at Norfolk Station, Newark, to maintain existing systems until future modernization efforts. Scope discussions include understanding and defining the scope of work, inspection of existing concrete and various structural systems on the platform, preparation of repair documents, and implementation of repairs, all within the context of the larger modernization efforts by NJ TRANSIT for the light rail system.

**63. Local and International Perspectives on Project Lifecycle and Governance at NJ Transit Capital Planning and Network Rail**

Project governance is critical for ensuring that improvement projects built deliver expected outcomes. Learn about NJ Transit Commuter Rail's project initiation process, how improvements are being validated by systems modeling, and best practice in project governance and performance from UK rail operator and maintainer, Network Rail.

**64. Innovative Approaches to Safety Planning: The Meadowlands Action Plan for Safety**

The Meadowlands Action Plan for Safety, prepared by the New Jersey Sports and Exposition Authority with consultant support, required some innovative approaches since the NJSEA does not have roadway jurisdiction within the Meadowlands District. This session will highlight some of those approaches including how the District High-Injury Network was defined, the important role of policy strategies, and how a Safety Assessment Tool (SAT) dashboard will be used to support ongoing planning efforts beyond plan adoption.

**65. Creating Community Connections through Greenways: Lessons Learned**

Panel discussion will focus on firsthand lessons learned from a range of multi-disciplined experts on all phases of the planning, design, and construction process for creating greenway connections to New Jersey's downtowns, transit stations, recreation areas, and places where people of all ages live & work. Panel experts will include local officials, advocates, state/regional agency representatives, and planning, engineering, and design professionals. Visuals and graphics will feature case studies.

**66. Hardening the Gate: Engineering Solutions for Fare Compliance**

As transit agencies in the Northeast grapple with post-pandemic ridership shifts and revenue shortfalls, fare evasion has emerged as a critical challenge to financial sustainability and system equity. This panel brings together leadership and technical experts from the four largest transit providers in the region - PATH, SEPTA, WMATA, and the MTA - to discuss their pilot programs and the challenge of balancing fare compliance with maintaining an accessible, welcoming environment for all riders.

**67. Modern Road Safety Audits and Assessments in New Jersey – Working Together, Implementing the Safe System Approach**

New Jersey has long embraced road safety audits to improve roadway performance, though challenges like funding, scheduling, and reporting remain. Modern audits identify opportunities at existing problem areas and projects in design, supporting a safe system approach statewide. This session highlights NJDOT's strategies for deploying audits and programs that make a difference, leveraging the latest tools and resources to overcome obstacles and enhance safety across the Garden State.

**68. Leveraging AI To Do More with Less**

This session will highlight two examples where AI is used to combine existing data sources to provide more results than traditional methods would. The first example will demonstrate how AI is used with existing data to predict secondary impacts on adjacent routes when lanes or roadways are closed for construction. The second presentation will demonstrate how vehicle, pedestrian, and bicycle behavior can be analyzed and studied for conflict safety analysis and geometric changes using video.

**69. Aerial Intelligence: A Strategic Roadmap for Drone Integration and Digital Transformation**

This session empowers AEC professionals to integrate drones into construction, operations, and maintenance workflows. The workshop provides a practical overview of existing aerial reality capture solutions illustrated by case-studies. Participants will: explore drone capabilities, data processing, and emerging trends like AI-driven analytics and digital twins, gain a strategic roadmap for implementation, understand how projects could benefit from the safety and efficiency of aerial reality capture tools.

**70. Wait - We Can't Work Today?" Environmental Permit Compliance in the REAL World**

This interactive session explores the interaction of existing and new environmental permit conditions (weather, tide, species restrictions) under NJDEP's REAL rules which may affect construction schedules. Framed as a mock pre-construction meeting for a bridge project, environmental and archaeological specialists introduce regulatory requirements before the anxious contractor enters to challenge schedule, mobilization, and monitoring requirements. Discussion of where and how REAL-driven constraints could have been better anticipated and incorporated into final design will be included.

**71. Traffic Engineering Challenges at Brick Church Station**

This presentation will highlight how various traffic engineering challenges were overcome for a transit-oriented development constructed adjacent to NJ Transit's Brick Church Station. The project challenges included traffic signal timing and traffic signal design for two sets of signalized intersections with several stakeholders involved. Each set of signalized intersections contained an existing NJDOT owned signalized intersection located approximately 100 feet from a proposed signalized intersection to facilitate site access.

**72. Efficiency vs Deficiency, Designing projects for Maximum Practicable Extent (Chapel Drive (CR 623) & Griggstown Causeway (CR 632), Bridges over D & R Canal)**

We are supporting NJDOT on the Griggstown/Chapel project, which includes significant constraints related to historic properties, ROW limitations, utilities, and geometric challenges. While some features remain substandard, our approach enhances the overall project footprint and improves safety for all users. Design decisions balance standards with context-sensitive solutions, making the project a strong example for County/Municipal stakeholder presentations.

**73. TRIANGULATION: Addressing Project Pain Points in Survey and Right-of-Way to Improve Performance and Deliverables.**

This presentation will be hosted by a panel of industry professionals who will examine the distinctions between surveys and maps, as well as their applications to the various phases of transportation projects. Understanding the difference between survey and right-of-way, key phrases or tasks to ask for when scoping survey work for transportation projects, and how a lack of understanding can result in project overruns, increased liability, issues with deliverables, and delays on project submission.

**74. Route 70, Route 38 to Cooper Avenue, (MP 0.00 to 8.80) - Utility Engineering Workshop**

This presentation provides training for utility management and preparation of deliverables for completion of the NJDOT CPM Final Design Phase. Resources and references are provided for identifying utility conflicts and preparation of proposed relocation. Separated by utility, the discussion reviews the required details for the Utility Owner Design Authorization Checklist, Utility Agreement Plans, Utility Construction Plans, Specifications and Estimate.

**75. Building Around Transit: What NJ TRANSIT's Land Plan Means for New Jersey**

With the release of the NJ TRANSIT Land Plan, the agency is advancing a more intentional strategy to activate underutilized land assets. This panel, featuring an NJ TRANSIT representative, prominent land use attorney, and others in the private development community, will explore how NJ TRANSIT's Land Plan is shaping the future of development around stations and transit corridors—and what it means for municipalities, private developers, and the broader transportation community.

**76. Venice Lagoon Bridge Replacement – Resilient Access in a Coastal Environment**

The Venice Lagoon Bridge Replacement restored the only access route to Atlantic City's Venice Park Island community. The project replaced a structurally deficient marine bridge with a durable, multimodal structure using precast superstructure elements and concrete-filled steel pipe piles. A staged construction approach using temporary traffic signals to maintain continuous alternating single lane traffic throughout construction. This presentation highlights design innovation, constructability, environmental coordination, and lessons learned delivering resilient coastal infrastructure under limited access constraints.

**77. Steering the Future: How Transportation Leaders Are Shaping Ethical and Responsible AI**

AI is reshaping transportation whether we're ready or not—and the real test is adopting it responsibly. This dynamic panel brings together women innovators from firms of all sizes to unpack the must ask questions around governance, ethics, risk, and quality assurance. Attendees will gain strategic insights and practical guidance to help their organizations chart a confident, ethical path through the rapidly evolving world of AI.

**78. Zoning for People; How Appropriate Zoning Around Underutilized Rail Corridors Could Significantly Lower the Cost of Living (Part 1 of 2)**

Overview of the economic and Lifestyle reasons why a community designed with rail as the prime method of transportation could offer a reduction in the cost of living over a community with highways as the prime method of transportation. Changes in existing zoning laws for the benefits to be realized will be discussed.

**79. Zoning for People; How Appropriate Zoning Around Underutilized Rail Corridors Could Significantly Lower the Cost of Living (Part 2 of 2)**

Overview of the economic and Lifestyle reasons why a community designed with rail as the prime method of transportation could offer a reduction in the cost of living over a community with highways as the prime method of transportation. Changes in existing zoning laws for the benefits to be realized will be discussed.

**80. Decarbonization of Transportation in the Tri-State Area: A Fireside Chat**

Join leaders from the Metropolitan Transportation Authority, New Jersey Turnpike Authority, New Jersey Department of Environmental Protection, the Port Authority of New York & New Jersey, and the Delaware River Port Authority for a fireside chat about decarbonization of transportation in New Jersey. Panelists will share how their agencies are approaching decarbonization, and the strategies, successes, and challenges in creating a zero-carbon transportation sector in New Jersey.

**81. Using Planning as Project Development Approach to Accelerate Critical Infrastructure Projects**

This session will be led by the authors of the recently published and inspirational book, "Make No Little Plans: A Planning as Project Development Approach to Building Infrastructure". This session will describe tips and tools to lead teams in a collaborative infrastructure project development process to buy down risk and maximize the return on investment of limited public dollars for roads, bridges, and transit projects.

**82. Keeping the Region Moving: Leaders in Transportation Resilience**

This session brings together leaders from the Delaware River Port Authority, New Jersey Turnpike Authority, and NJ TRANSIT to discuss how major transportation agencies are strengthening resilience. Panelists will share practical approaches to planning and investment aimed at reducing climate, operational, and financial risk while maintaining critical infrastructure and mobility.

**83. Safe & Accessible Streets: Complex Problems & Collaborative Community Solutions**

Across NJ, municipalities and school districts are adopting innovative strategies - like Safe Systems, Vision Zero, Safe Routes to School and other safety-focused initiatives-to create streets that are safer, healthier, and accessible for everyone. Sometimes the geographic footprint and/or landscape gets in the way of safety. This panel explores complex safe & accessible street projects that involve multiple jurisdictions, agencies and other complicating factors that put pedestrians and micromobility operators in harms' way. Panelists will share lessons learned, including from the Perry Street Crossing cross-departmental ad hoc task force, as well as tools and approaches that prioritize safety and accessibility.

**84. New Jersey County Governments Major Transportation and Transit Initiatives**

Counties are increasingly taking an important role in leading delivery of significant transit projects. Camden County recently took a lead role in building a new Walter Rand Transportation Center, Middlesex County is now building a new New Brunswick Station. Bergen County, Hudson County, and Mercer County are all planning their transit / transportation futures, especially in advance of the 2029 TTF Reauthorization. Hear from leaders coordinating significant transportation and transit projects.

**85. Active Transportation Options for Individuals on the Autism Spectrum - All Abilities Bike Pilot Program Implementation**

This presentation examines biking as an inclusive active transportation option for youth on the autism spectrum. Keep Middlesex Moving partnered with the Strider Education Foundation and East Brunswick Recreation's camps to run the FIRST EVER All Abilities Bike Pilot Camp. Eight students aged 8–16 attended ten one-hour sessions, built and learned to ride bikes, kept them, and experienced positive, flexible, and impactful outcomes overall. The program promotes transportation independence for all in the built environment.

**86. Putting Near-Miss Data to Use: A Hoboken Case Study**

AI is reshaping traffic safety by turning near-misses into proactive insights. Unlike reactive crash data, near-miss analytics reveal emerging hazards and guide early design fixes. In Hoboken, NJ, the City collected and compared near-miss datasets from multiple vendors to map strengths and gaps. This case shows how near-miss intelligence augments routine engineering tasks, including warrant analyses and crash investigations, with broader and more timely data points.

**87. Integrating Trails into the Transportation System: Advocacy, Acquisition and Implementation**

Greenways can function as essential components of the transportation system, yet are often excluded from planning and investment processes. This session examines the preservation of the Essex-Hudson Greenway as a once-in-a-generation active transportation investment that became the catalyst for developing a regional trail network, the North Jersey Trail Network Initiative. Presenters will address translating public demand into investment, navigating rail real estate, and integrating preserved corridors into safety planning, network development, and capital delivery.

**88. Stop. Look. Learn: Advancing Safety in School Zones**

Traffic crashes remain a leading cause of child fatalities, making school zone safety critical. This session highlights NJDOT's proactive approach to identifying school zone risks and explores two key strategies: infrastructure improvements and crossing guard training. Drawing on experience from the NJ Crossing Guard Training Program and focus group insights, we'll share practical recommendations for safer school zones through physical upgrades and human-centered solutions.

**89. Maintenance Dredging and Channel Improvements for Wildwood Channel Complex**

In 2012, Superstorm Sandy heavily damaged the Wildwood Channel complex. NJDOT was charged with restoring the channels to safe and navigable depths to facilitate maritime transport. The project faced several challenges, including coordinating dredging efforts across multiple townships and meeting tight deadlines to avoid disrupting the tourist season. Nearly 140 "geobags" were used to dewater the dredged material, allowing for efficient and timely removal from three different sites to complete the \$11.6 million project.

**90. Rethinking E-Bike Policy: New Jersey's Evolving Micromobility Landscape**

In 2025, NJDOT BPRC released the New Jersey Micromobility Guide. Since then, evolving local policies and ongoing legislative efforts have added complexity to e-bike regulation. This session will summarize current state laws, highlight key guidance from the Guide, and outline emerging issues as communities respond to growing e-bike use. Presenters will share research on e-bike use to access essential needs, along with best practices in micromobility policies.

**91. Freight Movement & Supply Chain Stability: A Foundation for Economic Strength**

Discussions will include; The impact of freight efficiency on consumer costs, and how improvements here mean better affordability, Policies that improve reliability without new mandates, Rail, trucking, and port innovations, Working with businesses to solve congestion challenges, Federal Surface Transportation Reauthorization.

**92. The New Rumson-Sea Bright Bridge through NJTPA's Local Capital Project Delivery Program**

The new Rumson-Sea Bright Bridge was Federally funded for concept development, design and construction through NJTPA's Local Capital Project Delivery Program. Rumson was the first project under this program. This workshop will discuss the challenges, successes and the lessons learned from delivering this project from concept through construction.

**93. Leveraging AI in your Estimating Process**

PinPoint Analytics leverages AI to transform historical bid data into actionable cost insights for public infrastructure stakeholders. Designed for municipalities, engineering firms, and contractors alike, the platform improves estimating consistency, risk awareness, and decision-making throughout the procurement and delivery process.

**94. 2026 World Cup - Construction of Devices and Technology Intended for Use During the World Cup Soccer Event**

Discuss the accelerated construction schedule for this project along with the lessons learned and the issues faced during the construction period from June 2025 to May of 2026. Discuss the new technologies deployed along with how they will be used during and after the World Cup Soccer event summer 2026.

**95. NJ DOT and the I-Bank: A Partnership in Savings**

Learn how the I-Bank's low-cost funding helps Local Government Units maximize savings when financing transportation projects. This presentation covers borrower and project eligibility, funding opportunities, program timelines, budget benefits, and case studies. Discover how NJ-Moves, an online application platform, streamlines the process to decrease annual budget costs and deliver savings for ratepayers through the Transportation Bank's short- and long-term programs.

**96. Implementing Target Zero: Bus Stop Design**

Examples from other states and transit agencies on how to improve bus stop accessibility and safety. Encouraging roadway designers, counties, and municipalities to incorporate bus stop improvements into corridor projects, as well as spot improvements.

**97. Navigating Today's Environmental Process: EAs, FONSI's and Adaptive Mitigation Plans for Project 1**

Key presentation take aways will be the rigorous environmental process completed at both the state and federal level; the effect of current environmental policy on the environmental justice and climate change; as well as how a first of its kind for the region Adaptive Management Plan is making commitments for program environmental success. Stakeholder coordination and public outreach used to plan, coordinate, and move this critical safety and improvements program forward will also be highlighted.

**98. MS4 Permitting, SWM Regulations, Transportation Projects and Programs****99. AI Ready Owners: Building the Digital Thread for Confident Capital Delivery**

Owners are under increasing pressure to deliver capital projects with greater speed, transparency, and predictability. AI offers transformative potential, but its value can only be realized when organizations establish a connected digital thread that links data across design, construction, and operations. This session outlines a practical framework for becoming AI ready. Attendees will learn how to integrate project information across systems, improve decision quality through connected data, and create a continuous flow of intelligence across the full asset lifecycle. The discussion will also clarify the rapidly evolving AI landscape, including embedded in-app intelligence, enterprise AI built on secure digital cores, and specialized project delivery solutions.

**100. More E-Scooters, More E-Bikes and More Safety Concerns Street Safety in the Era of Micromobility**

As e-scooters, e-bikes, and bicycles surge in popularity among young riders, communities are grappling with rising safety concerns and rapidly evolving registration and licensing mandates. This session will unpack the policies, infrastructure changes, and education efforts shaping safer streets in the micromobility era. Join our expert panelists to hear how they are harnessing micromobility to expand access and equity while safeguarding all road users in their communities.

**101. World Cup 2026 - Community Celebrations in the Meadowlands**

Discover how the 2026 FIFA World Cup can bring our community together! Soccer fans across our region can join the excitement through cultural pop-ups, community celebrations, official watch parties, and the Fan Festival at Liberty State Park. This workshop, *What the World Cup Brings to Your Community*, will introduce the Community Engagement Toolkit, Flag Cities initiative, and World Cup Placemaking Guidebook to help you create local connections and lasting impact.

**102. Certified to Win: How to Leverage EVAL Certification for Sustainable Jersey Certification and Grant Success**

Discover how your community can cut costs, reduce emissions, and earn recognition through Electric Vehicle Adoption Leadership (EVAL) certification. Sustainable Jersey's new "Clean and Green Commuting" action rewards municipalities that advance EV adoption with points and funding opportunities. Join us to learn how EVAL certification supports Sustainable Jersey certification and hear from two pioneering communities leading the way in sustainable transportation and public EV charging infrastructure.

**103. STV - Infrastructure-Light Tolling and V2X: What Works**

As New Jersey advances all-electronic tolling (AET), agencies have real choices—not a single path. This options-oriented, vendor-neutral session lays out practical ways to protect revenue, improve safety, and boost customer satisfaction and acceptance. We'll cover infrastructure-light, fast-mobilization tolling points you can deploy in weeks; V2X assists at tough locations; occupancy detection where HOV policy applies; and BOS-friendly improvements to camera setup, DMV/address workflows, and notice/payment UX. Attendees will see when each option fits, what to watch for, and which KPIs to track (reads captured, DMV matches, paid by 30/60 days, manual review time, cost to collect, field exposure). The goal is a smoother, fairer AET cutover—clearer bills, easier ways to pay, fewer roadside exposures—while giving NJTA and peer agencies practical paths to try ideas with a 90-day pilot and scale only if results warrant.

**104. STV - Transit, Urban Design, and the Future of Downtown Camden**

This panel discussion will examine how targeted transit investments and coordinated urban design initiatives are collectively shaping the future of Downtown Camden. The session will highlight key transit enhancements, including the Coopers Poynt Pedestrian Bridge, the Camden Loop shuttle service, and the proposed Glassboro–Camden Line, alongside transformative urban design and redevelopment projects such as the future Walter Rand Transportation Center, Beacon Tower, and emerging waterfront opportunities. The discussion will underscore the reciprocal relationship between transit infrastructure and strategic urban design in reimagining the character, functionality, and identity of Downtown Camden.

**105. STV - Coordinating a Complex Cutover – The Portal North Bridge Story**

The Portal North Bridge Project marks a transformative investment in the Northeast Corridor, replacing the century-old, movable Portal Bridge with a modern, two-track, fixed-span structure designed to enhance reliability, increase train speeds, and eliminate maritime-related delays. Executing the cutover for this new infrastructure—located on one of the most heavily traveled rail segments in the nation between Newark Penn Station and New York Penn Station—required an extraordinary level of planning, coordination, and operational discipline. Attendees will gain insight into the technical, logistical, and organizational challenges of performing a major cutover in a constrained, high-density rail environment. The Portal North Bridge cutover demonstrates how adaptive planning, cross-disciplinary collaboration, and rigorous operational modeling can successfully deliver critical infrastructure improvements that strengthen reliability and capacity along the Northeast Corridor.

**106. NJTA and ACECNJ: A Partnership Built for Success**

The New Jersey Turnpike Authority and the American Council of Engineering Companies of New Jersey have built a longstanding working partnership that has resulted in meaningful enhancements to business practice, procurement, and project delivery issues. Join senior technical staff of the Authority and representatives of the consulting engineering profession to discuss these advancements along with what the future holds.

**107. From Cars to Capacity: Leveraging EVs for Local Growth**

Beyond clean transportation, electric vehicles are a resource that can transform communities. This panel explores how EVs can drive economic growth, strengthen the grid, and advance equity. From public charging stations that attract visitors and boost local businesses, to managed fleet charging that reduces energy costs, to vehicle-to-grid technology that supports resilience and can offset new capacity needs, EVs offer opportunities far beyond mobility. Join leaders from NJBPU, local government, and the private sector for a conversation on how communities can harness EVs as an amenity, an economic driver, and an energy solution.

**108. You Have Two Minutes, Use Them Wisely: Meaningful Public Engagement in a Changing Landscape**

Public engagement serves two purposes at once: it is how communities shape projects that affect them, and it is how agencies surface risk before it turns into delays, litigation, or political blowback. This panel explores how well-timed, meaningful engagement can improve project outcomes while protecting schedules and agency credibility. Panelists will discuss how to identify pivotal moments for engagement, design processes that allow institutions to absorb input, and distinguish between feedback that must be addressed immediately and concerns that can be managed without stalling delivery.

**109. PARSONS – Operational, Safety, and Complete Streets Improvements through Innovative Engineering and a "One Project Team" Approach - Hunts Point Interstate Access Improvement Project, Contract 3**

The focus of this major design-build initiative is to transform urban infrastructure in the South Bronx by re-envisioning the Bruckner Expressway and improving the interchange at Sheridan and Bruckner Boulevards. Key elements include enhanced capacity on the Bruckner Expressway, safety and operational improvements to Bruckner Boulevard, and prioritizing pedestrian safety, access, and mobility with a modern shared-use path and a new pedestrian bridge. Sustainability is integrated through the installation of 24 electric vehicle charging stations. The presentation will expand on the project innovations and collaborative "One Project Team" approach which enabled significant schedule acceleration and budget adherence.

**110. PARSONS – The New Jersey Turnpike Authority's Newark Bay Bridge Replacement Project – Update and DBB vs DB Lessons Learned**

This presentation will provide an update on the design status and key considerations of the new twin 800-foot-span cable-stayed bridges. The presentation will also incorporate a discussion of valuable lessons learned.