AMERICAN PUBLIC TRANSPORTATION ASSOCIATION
RESEARCH AND TECHNOLOGY COMMITTEE

MEETING: OCTOBER 8, 2023
10:00 A.M. – 11:30 A.M. EDT

HYATT REGENCY ORLANDO
9801 INTERNATIONAL DR.
ORLANDO, FL
ROOM: PLAZA INTERNATIONAL BALLROOM H

Chair: Manjit Sooch, Director of Innovation and Technology, AC Transit (Alameda Contra-Costa Transit District)
Vice Chair: Dave Jackson, Sr. ITS Program Manager, Jacobs
Secretary: Robert James, Executive Technology Innovation Advisor, NJ Transit

AGENDA

10:00 PM	**Welcome and Call to Order** *Ms. Manjit Kaur Sooch, Director of Systems and Software Development, AC Transit*
10:05 AM	**Approval of Minutes** *Robert James, Executive Technology Innovation Advisor, NJ Transit*
10:10 AM	**APTA Update** *Eugene Reed, Director, Transit Technology, APTA*
10:15 AM	**FTA Update** *Mary Leary, Associate Administrator* *Office of Research, Demonstration, and Innovation*
10:30 AM	**Unlocking the Power of Artificial Intelligence in Public Transportation** This study will identify current problems and challenges facing mobility providers and explore how Artificial Intelligence (AI) can be used to solve those problems, based on best practices from transit and non-transit industry applications. It will include a framework of industry challenges and comparative AI solutions (e.g., data analytics, state of good repair, asset management,

customer service, customer experience, safety and security).

Key learnings in the study will also reflect AI applications in various industries outside of transit, including healthcare, retail, and airlines, to explore how these solutions can be applied to improve performance of transit operations and customer experience. The study will also examine the gains and risks associated with technological advancements and summarize unique challenges and common pain points as mobility providers embark on AI implementation.

Project Team:
Jennifer Hass (Co-coordinator), Community Transit;
Brian Smart (Co-coordinator), AECOM;
Ryan Armstrong, OCTA;
Brett Rogers, TriMet;
Myat San, BART;
Nauni Singh, VTA

10:45 AM   **Subcommittee and Working Group Reports**
- Information Technology Subcommittee
- Communication Solutions Subcommittee
- Technologies for Vehicle Automation and Connectivity Subcommittee
- Technology Standards Policy and Planning Committee
- TCRP/TRB Liaison
- Emerging and Innovative Technologies Subcommittee
- Systems Engineering Subcommittee
- Technology Workforce Subcommittee
- Technology Safety, Security and Risk Subcommittee
- Technology Portal Working Group
- University Liaison

11:00 AM   **Roundtable**
Dave Jackson, Sr. ITS Program Manager, Jacobs

11:30 AM   **Adjournment**