AI Workshop – draft outline

- Emphasis on actionable outcomes and cross-sector collaboration

Duration: 60 minutes
Format: Interactive workshop
Audience: Policy makers, regulators, transport agencies, industry leaders, vendors, researchers
Description:
This workshop focuses on the definition of AI and its foundational requirements for deploying and scaling AI in ITS. Participants will gain clear overview of AI models, and examine data readiness, system integration, and governance frameworks needed for their deployment. It will contribute to understand potential of AI and integrational gaps for AI in Canada, supporting dialogue on the common and shared principles for data governance and system integration.
Agenda
00:00 – 00:15 | Opening and Recap
- Definition and overview of AI models

00:15 – 00:30 | Enabling AI in ITS: Expert Perspectives
- Data availability, quality, fragmentation and interoperability
- Integrating AI with existing ITS infrastructure. What are the potential foundations, such as GIS?
- Governance, safety assurance, and public trust

00:30 – 00:55 | Interactive Discussion: Readiness and Gaps
- Assessment of current capabilities
- Identification of barriers to deployment and scaling
- Key gaps and cross-cutting challenges

00:55 – 01:00 | Key Takeaways and Closing
- Lessons learned from panel discussion

Workshop 2: AI in Intelligent Transport Systems: From Vision to Strategic Priorities

Duration: 60 minutes
Format: Interactive workshop
Audience: Senior government officials, transport authorities, industry executives, vendors, researchers
Description:
This workshop explores where AI can deliver the greatest value in Canadian ITS. Participants will examine global and Canadian trends, assess high-impact use cases, and align on strategic priorities for AI adoption in transport. They will gain shared understanding of AI opportunities in Canadian ITS and identified priority use cases for further development.
Agenda
00:00 – 00:10 | AI in ITS: Use Cases 'Needs and Perspectives
- Opening remarks and workshop objectives
- Public-sector AI in ITS use cases needs

00:10 – 00:40 | High-Impact AI Use Cases for ITS
- Traffic and corridor management
- Road safety and incident prevention
- Predictive maintenance of transport assets
- Public transit optimization
- Freight and logistics efficiency

00:40 – 00:55 | Interactive Discussion: Setting Priorities
- Identification of priority AI use cases
- Assessment of benefits, risks, and implementation horizons

00:55 – 01:00 | Key Takeaways and Closing
- Summary of priority areas and common themes

Workshop 3: From Pilot to Impact: Scaling AI in Canadian ITS

Duration: 75 minutes
Format: Interactive workshop
Audience: Senior decision-makers, transport operators, industry executives, vendors, researchers
Description:
This workshop addresses how to move AI solutions from pilot projects to scaled, operational deployments across Canadian transport systems. It focuses on implementation models, institutional capacity, and collaboration mechanisms. Participants will learn on practical pathways to scale AI in ITS and identified next steps for collaboration through ITS Canada.
Agenda
00:00 – 00:20 | Case Studies: Scaling AI in Transport
- Recap of priorities and enabling requirements
- Framing AI as a system-level transformation
- Public-sector-led implementation
- Public–private partnership model

00:20 – 00:55 | Interactive Discussion: Implementation Pathways
- Models for ownership, governance, and data exchange
- Funding and procurement approaches
- Skills and organizational requirements

00:55 – 01:15 | Leadership Roundtable: Next Steps
- Cross-cutting actions and common approaches
- Short-term priorities (next 12–24 months)
- Role of national coordination and partnerships

01:15 – 01:20 | Closing and Call to Action