



# Connected and Automated Vehicle Plan

DRAFT Review

January 2023

ITCAC Meeting, City of London

# How will this CAV Plan be used?

This Connected and Automated Vehicle (CAV) Plan will be used by decision makers who are responsible for the implementation and maintenance of public infrastructure which will be impacted by the emergence of CAV technology.

This CAV Plan has been prepared in a way that can communicate the City of London's context and unique approach to CAV technology to interested external stakeholders, industry players, and the public.

# How will this CAV Plan be used?



**Part I: Background** explains the current realities of CAV technology in London and explores anticipated timelines associated with the technology development. Given the emerging nature of CAV technology, information is subject to change.



**Part II: Detailed Actions** presents the core areas of focus and actions that may be available to the City of London to consider in response to CAV technology. This Plan is proactive, based on the needs to prepare the City for the arrival of CAV technologies. The action items within will need to be developed as part of a future Implementation Plan.

# Vision



**What?** A sustainable community that integrates connected and automated vehicles into city-building and daily activities by pursuing improved safety, environmental stewardship, and travel mobility options.

# Purpose



**Why?** To better understand and prepare for the introduction of connected and automated vehicles in our community to improve the lives of our citizens and minimize the environmental impact of this technology as it becomes more commonplace.

# Mission



**How?** To engage internal and external stakeholders, identify potential implications of connected and automated vehicles, and provide a plan and actions that will proactively prepare for the introduction of connected and automated vehicles.

# Values



Alignment with the  
2019-2023  
Strategic Plan for  
the City of London

Alignment with the  
London Plan

Climate Emergency  
Action Plan

Driven by  
Community

Human Health and  
Community Safety

Information  
Security and  
Privacy

Integrated Mobility

Proactive  
Leadership

Responsible  
Governance

Social Equity

Supporting  
Innovation

Stakeholder  
Collaboration

# Strategic Areas of Focus

## 1. Road Safety and Security

The City will encourage the adoption of CAVs that are supportive of improved road safety. A net benefit to road safety will be achieved through actions that focus on protecting vulnerable users, preventing collisions, updating infrastructure, and improving emergency response. Actions will address both the knowns and unknowns of CAVs and will look at the ideal policies, technology, standards, and training required to achieve improved safety.



1. Prevent Collisions
2. Update Infrastructure
3. Update Emergency Response



# Strategic Areas of Focus

## 2. Mobility Integration and Efficiency

The City will incorporate CAV technology and encourage its adoption within the City's mobility network. Increased infrastructure efficiency will be achieved through an enhanced ability to manage traffic in real-time, allowing individual mobility needs to be served at any given time.



1. Increased Space Efficiency
2. Design Complete Streets
3. Increase System Integration
4. Urban Goods Movement
5. Mobility Network Efficiency and Performance
6. Transportation Demand Management

# Strategic Areas of Focus

## 3. Environmental Sustainability

The City will encourage the adoption of CAVs in a manner that incentivizes environmental sustainability across a vehicle's entire lifecycle. Reducing vehicle emissions and waste through incentivizing or promoting zero emission vehicles and sustainable use practices.



1. Reduce Vehicle Emissions
2. Reduce Vehicle Waste

# Strategic Areas of Focus

## 4. Social Equity and Health

The City will encourage the adoption of CAVs in a manner that improves accessibility, social equity, and prioritizes health and safety for all Londoners.



- 1. Ensure Barrier Free Access for All**
- 2. Increase Mobility Equity**
- 3. Promote Health and Safety**

# Strategic Areas of Focus

## 5. Data Privacy, Security, and Governance

The City will support and enhance data privacy and transportation network security with a particular focus on the City's collection and use of information generated by CAVs and related systems where authorized by law. Actions will focus on protecting privacy and security through policy and by-law, providing oversight and evaluation, and incorporating privacy principles into any potential collection and use of information generated by CAVs. Further, data gathered should be used to inform the implementation and evaluation of this plan and to improve how the City delivers services.

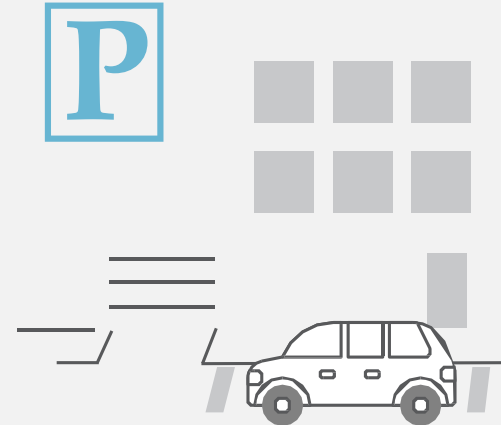


1. **Protect Public Privacy**
2. **Business Intelligence**

# Strategic Areas of Focus

## 6. Land Use and Urban Form

The City will plan for the potential impacts and implications of CAVs in the context of sustainable urban form, land use, growth, development, placemaking, and the approved London Plan.



- 1. Integrate CAV Infrastructure Elements with Land Use**
- 2. Protect Urban Structure Integrity**
- 3. Resilient CAV Policy Development and Implementation**
- 4. Reclaim Surplus Land**

# Strategic Areas of Focus

## 7. Economic Sustainability

The City will support and enhance sectors related to the development and use of both CAVs and associated technology, with a particular focus on retaining and attracting industries, investment, and employment. Actions related to Economic Sustainability will aim to expand London's regional position as it relates to CAVs.



1. **Develop a Top-Quality Workforce**
2. **Attract New Jobs and Investments**
3. **Create a Supportive and Thriving Environment**

# Strategic Areas of Focus

## 8. City Fleet and Services

The City will enhance its fleet and services through CAVs and related systems for the purpose of improving safety and public service delivery. Actions will evaluate the transformation of fleet vehicles and City services as well as potential impacts to employment and labour needs.



- 1. City Services and Fleet Vehicles**
- 2. Future-Proofing**
- 3. People Services and Labour**



Thank  
You!

For more information and to  
provide feedback, please visit  
<https://getinvolved.london.ca/cav>