



Connected and Automated Vehicle Plan

Executive Summary DRAFT



Prepared by the Corporation of the City of London
September 2022



How will this Connected and Automated Vehicle Plan be Used? 03

Part I: Background

Part II: Detailed Actions

Purpose, Vision, Mission, and Values 05

Strategic Areas of Focus 08

Road Safety and Security

Mobility Integration and Efficiency

Environmental Sustainability

Social Equity and Health

Data Privacy, Security, and Governance

Land Use and Urban Form

Economic Sustainability

City Fleet and Services





How will this **Connected** and **Automated Vehicle 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.



Part I: Background provides an explanation of the current realities of CAV technology in London and elsewhere and explores anticipated timelines associated with the technology development. It is important to note that given the emerging nature of CAV technology, information provided within this section 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. To implement the actions that have been identified, a subsequent Implementation Plan will need to be developed. The future Implementation Plan will consider each action and identify what is needed to proceed with implementation including triggering events, timelines, and required additional staff and financial resources.

This CAV Plan is proactive in nature, based on the needs to prepare the City for the arrival of CAV technologies in a timely manner. The action items identified in this plan will need to be further developed as part of a future Implementation Plan and looked at through a lens of deliverability, resourcing, and sustainability.

The future Implementation Plan and any proposed programs, projects, and sub-projects will need to be carefully considered in alignment with Council's CAV Plan including Corporate priorities and resourcing.



Purpose, Vision, Mission, and Values

The Purpose, Vision, Mission, and Values are the guiding framework for the Connected and Automated Vehicle Plan and the detailed actions within it. Through internal consultation, the Purpose, Vision, Mission, and Values were adopted by the City's internal working group on December 12, 2019 as follows:

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.

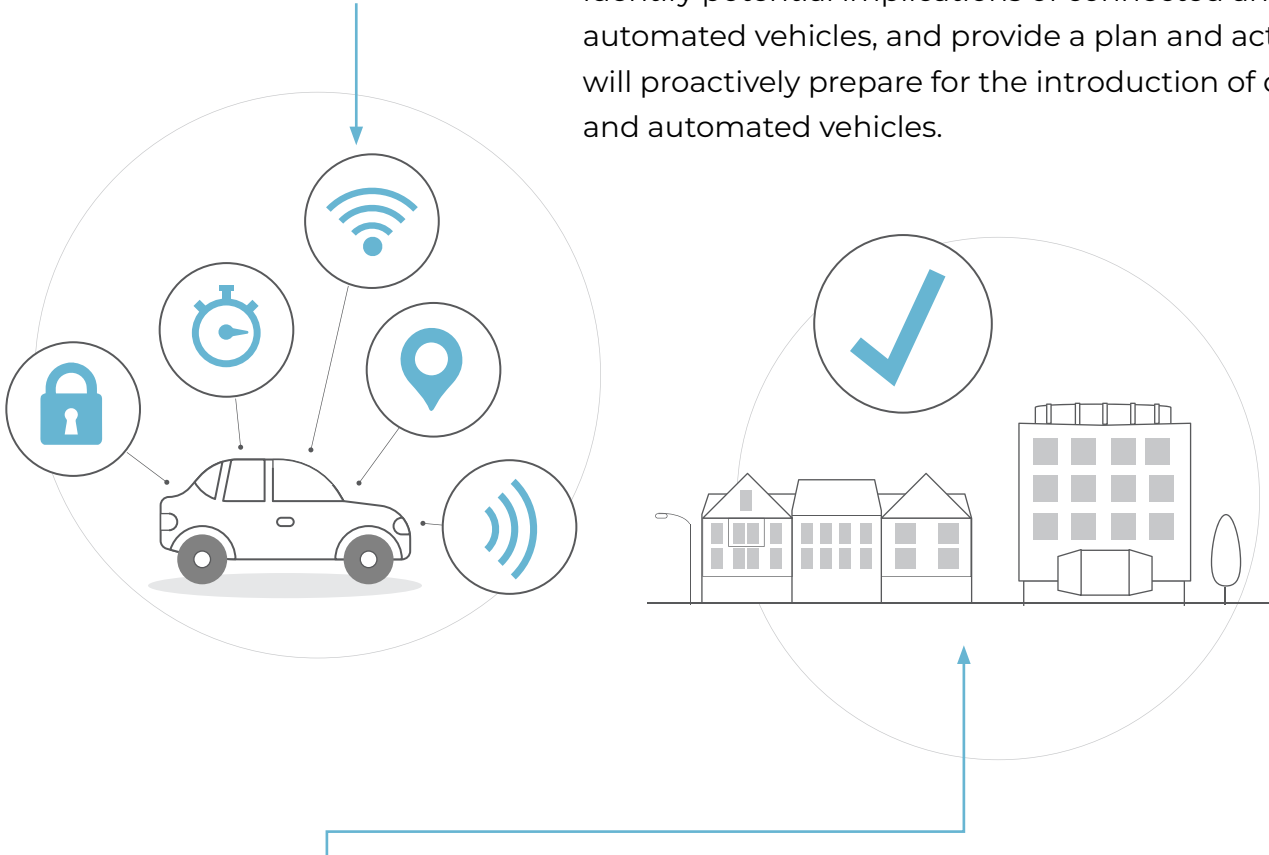


VISION

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.

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



Strategic Areas of Focus (SAFs) were developed in collaboration with internal City stakeholders as guideposts to spur discussion in the development of the CAV Plan. The final SAFs constitute the core of the CAV Plan as detailed herein.

For each of the SAFs, broad goals were identified and are listed below. For full details about specific action items under each goal, there is discussion provided in the full CAV Plan document.



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.

1.1 Prevent Collisions

1.2 Update Infrastructure

1.3 Update Emergency Response



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.

2.1 Increased Space Efficiency

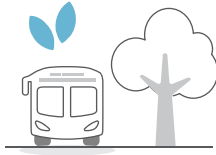
2.2 Design Complete Streets

2.3 Increase System Integration

2.4 Urban Goods Movement

2.5 Mobility Network Efficiency and Performance

2.6 Transportation Demand Management



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.

3.1 Reduce Vehicle Emissions

3.2 Reduce Vehicle Waste



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.

4.1 Ensure Barrier Free Access for All

4.2 Increase Mobility Equity

4.3 Promote Health and Safety



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.

5.1 Protect Public Privacy

5.2 Business Intelligence



6. Land Use and Urban Form

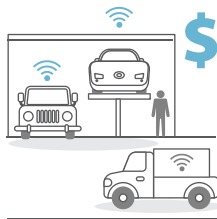
The City will plan for the potential impacts and implications of CAVs in the context of sustainable urban form, land use, growth, development, placemaking, and the approved London Plan.

6.1 Integrate CAV Infrastructure Elements with Land Use

6.2 Protect Urban Structure Integrity

6.3 Resilient CAV Policy Development and Implementation

6.4 Reclaim Surplus Land



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.

7.1 Develop a Top-Quality Workforce

7.2 Attract New Jobs and Investments

7.3 Create a Supportive and Thriving Environment



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.

8.1 City Services and Fleet Vehicles

8.2 Future-Proofing

8.3 People Services and Labour

Prepared by the Corporation of the City of London
September 2022



London
CANADA