



San Mateo County Automated Vehicles (AV) Strategic Plan

C/CAG Board of Directors
June 13, 2024





San Mateo Countywide Automated Vehicles Strategic Plan

Draft Strategic Plan

Prepared by
wsp

**MAY
2024**

About the Strategic Plan

Project Background

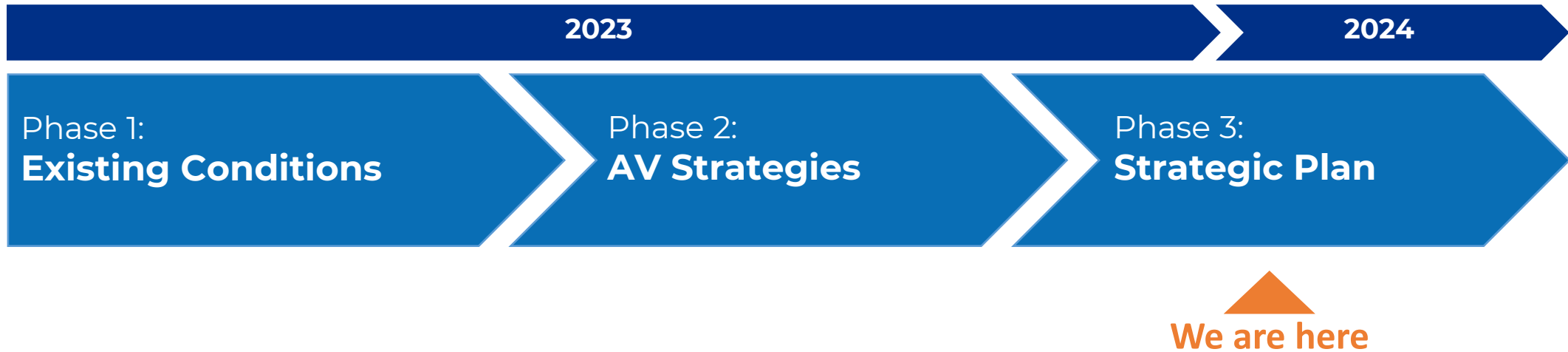
SMCTA & SamTrans' **Towards an Autonomous Future in San Mateo County in Fall 2021** called for the development of a Countywide AV Strategic Plan as a key priority, along with next steps to organize a working group and plan for future pilots

The AV Strategic Plan will...

- Identify current policy and regulatory frameworks for AVs
- Develop a cohesive strategy for AV pilots and programs
- Strategically compete for funding and economic opportunities
- Help prepare for future automated vehicle deployment



Project Timeline



Phase 1 (Summer 2023): Identify existing AV programs at local, state, and federal levels

Phase 2 (Fall 2023): Develop a framework for AV pilot programs, projects and activities

Phase 3 (Spring 2024): Prepare the draft San Mateo Countywide AV Strategic Plan

Existing Conditions Findings



Key Findings

- AV testing is happening in San Mateo County
- This is the first county plan to focus on AVs
- Learn from local, state, and federal AV policies and programs
- Focus areas include pursuing an AV pilot to address specific transportation needs



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Engagement

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Engagement



Engagement Method	Participants
One-on-One Interviews	<ul style="list-style-type: none"> • Beep • California DMV • CPUC • Caltrans • City of Burlingame • City of Hillsborough • Commute.org • May Mobility • MTC • Undisclosed TNC
Peer Exchange	<ul style="list-style-type: none"> • SMCTA • SFMTA
Roundtable	<ul style="list-style-type: none"> • SamTrans
Public Meetings	<ul style="list-style-type: none"> • C/CAG Board of Directors • C/CAG TAC • TA Board • Special Meeting for Public Input on Project

Key Feedback Themes from Engagement



Safety is a top priority



Partnership with the private sector should be mutually beneficial (e.g., data sharing)



First-last mile solutions should be prioritized to schools, medical facilities, universities and business parks



Automated shuttle services are the preferred type of AV pilot or application by most participants

C/CAG Board – What We Heard

What We Heard	Solution
How does this plan move us toward our goal of reducing VMT?	<ul style="list-style-type: none">• Sustainability has been identified in the Plan’s Vision and Guiding Principles.• Proposed pilots prioritize public transportation.
How does this plan move us toward our goal of improving equity?	<ul style="list-style-type: none">• Equity has been identified in the Plan’s Vision and Guiding Principles.• Equity would need to be built into the implementation of proposed pilot programs.
Have we worked with San Francisco?	<ul style="list-style-type: none">• SFCTA and SFMTA participated in a peer exchange.• Data sharing has been identified as a strategy.
Have you consulted private operators?	<ul style="list-style-type: none">• Yes, we consulted Beep, May Mobility and a major TNC.



C/CAG Board & TAC – What We Heard





















Feedback |

Roles & Responsibilities:

Provide more information about what is within local jurisdictions/county agencies' authority because AV regulations are so dynamic and constantly changing.

Solution |

Created a table delineating roles and responsibilities

Regulation & Permitting							
	Permits for driverless commercial passenger operation on local roads/streets						
	Permits for driverless testing (no passengers) on local streets/roads						
	Driverless vehicle reporting						
	AV safety standards and guidelines						
Infrastructure Readiness							
	Road maintenance/infrastructure enhancements (see strategies 2.1 - 2.4)						
	Upgrades to bus stop and fleet maintenance facilities (see strategies 2.1 - 2.4)						
	Infrastructure standards and guidance						
Planning & Engagement							
All	Funding for new projects, pilots and studies (see strategies 3.4, 4.5 and 5.1)						
 	Community outreach and engagement (see strategies 3.1 and 3.2)						
	Coordination with local and regional planning requirements (see strategy 1.5)						
Operations							
	Curbside access (see strategies 2.1 - 2.4, 4.3 and 5.4)						
	Operation of driverless vehicles (adhering to local traffic laws, etc.)						
	Traffic management data (see strategies 2.2 - 2.4, 4.3 and 5.4)						
	Operation of first-last mile SAV solutions / technology integration (see strategies 5.1 and 5.2)						
Enforcement & Emergency Response							
	Emergency response coordination						
	Emergency response operations (see strategies 1.2 - 1.4, 3.1, 3.2, 4.2 and 4.3)						
	AV traffic enforcement (see strategies 1.2 - 1.4, 3.1, 3.2, 4.2 and 4.3)						
LEGEND							
	Federal agencies (e.g., FHWA and NHTSA)		State agencies (e.g., DMV and/or CPUC)		Local and/or Regional agencies (e.g. SMCTA, C/CAG and city agencies)		Private Sector





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Key Plan Elements

About The Plan



- **Strategic Plan Contents:**
- Plan Purpose & Background
 - San Mateo County's Priorities
 - Vision
 - Guiding Principles
 - State of AV in San Mateo County
 - Relevant Plans and Programs
 - Transportation Assets
 - Policies and Programs
 - Permit Holders
 - Stakeholder & Public Engagement
 - AV Strategies & Roadmap for the Future
 - Funding Opportunities

Draft - Strategic Plan Guiding Elements

Vision Statement

- SMCTA and C/CAG will support strategic measures toward implementing automated vehicle technologies that promote equitable levels of access, safety, reliability, and sustainability in San Mateo County.

Guiding Principles



Accessibility & Equity



Engagement



Connectivity



Workforce Development



Safety



Support Local Agencies



Sustainability



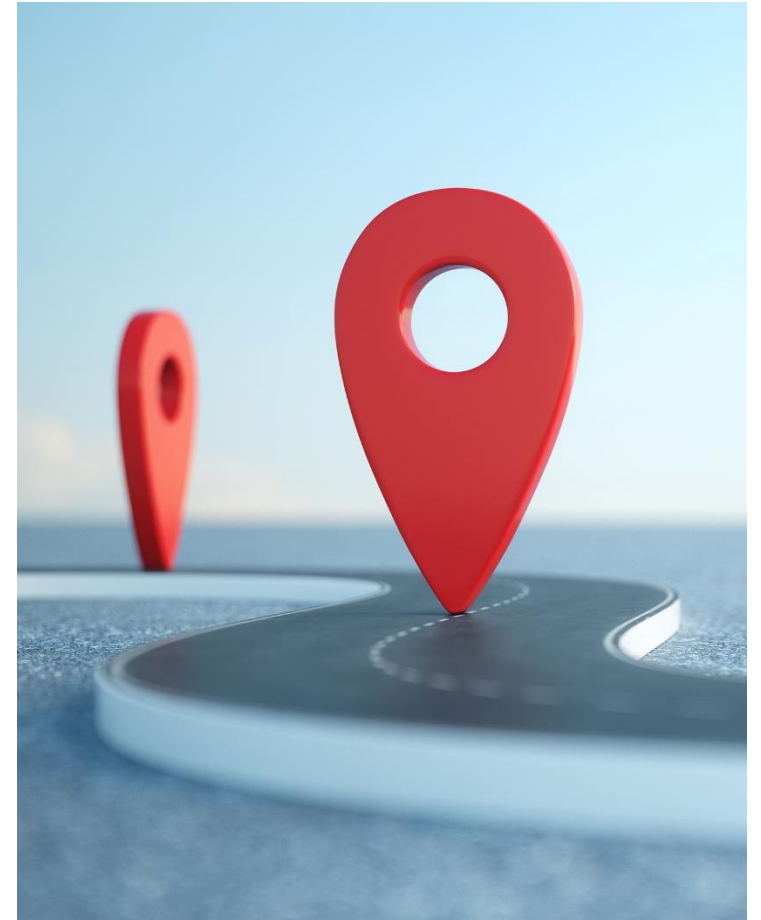
Roadmap for the Future – Short Term Actions

- **Short Term Action #1**
 - Identify staff lead to oversee the implementation of the plan.





- **Short Term Action #2**
 - Establish a Joint AV Working Group.

- **Short Term Action #3**
 - Ensure the plans such as the C/CAG Countywide Transportation Plan and SMCTA Strategic Plan address AVs.

- **Short Term Action #4**
 - Assess the feasibility of AV shuttle pilots in equity priority communities.



Key Focus Areas for Review

Strategy 1.1 – Joint AV Working Group		
Description Establish a joint AV Working Group to coordinate AV activities in the County and monitor developments in the AV industry. The Working Group should have at least one representative from each partner agency to serve as a primary point of contact for AV activities. SMCTA or C/CAG should lead the AV Working Group, maintain the list of agency contacts, and provide updates to the group as needed.	Value to the County A joint working group offers opportunities for collaboration, shared priorities, and a unified approach to AV-related transportation solutions. The working group can offer oversight of other agency readiness strategies.	Priority 
	Potential Implementation Leads SMCTA, C/CAG, San Mateo County, Emergency Services, SamTrans and representatives from local jurisdictions could all be part of the AV Working Group.	Timeline 
		Cost 
		Effort 

➤ Road Map for the Future

- What are your thoughts on the short and mid-term next steps?
- Is anything missing?
- Can anything be removed?



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Next Steps

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Review & Feedback Period

Public Feedback Window:

- Public feedback will be accepted until July 15, 2024

Document Engagement Tool:

- Konveio will be used to collect all comments on the draft plan
- Link to review is available on the project website
 - <https://www.smcta.com/planning-projects/SMCAVPlan>



Next Steps: Strategic Plan Adoption & Acceptance

Project Milestone	Date
C/CAG Board of Directors	June 13 (Today)
Public Comment Period Closes	July 15
C/CAG Board Acceptance	Oct 10
TA Board Final Plan Presentation	Oct 3
TA Board Final Plan Acceptance	Nov 7



Questions/Feedback

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