



## Connected and Automated Vehicles in Minnesota

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Minnesota's  
Vision for  
CAV

# Why CAV?





# Why CAV is Important

## Greater Mobility & Equity



## Workforce Impacts



## Traffic Operations



## Economic Development



## Infrastructure



## Health & Environment



# Fake News – Fear of AV



**The Onion**   
@TheOnion

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Survey Finds Majority Of Autonomous Car Crashes In California Caused By Human Error  
[trib.al/9wtzdu7](http://trib.al/9wtzdu7) #WhatDoYouThink?

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Education  
& Common  
Definitions

# What is CAV?

A

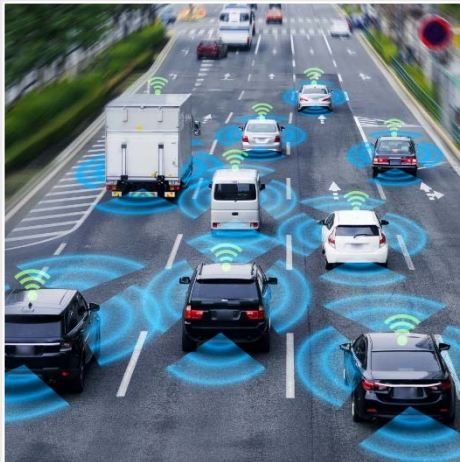
C

E

S



Automated



Connected

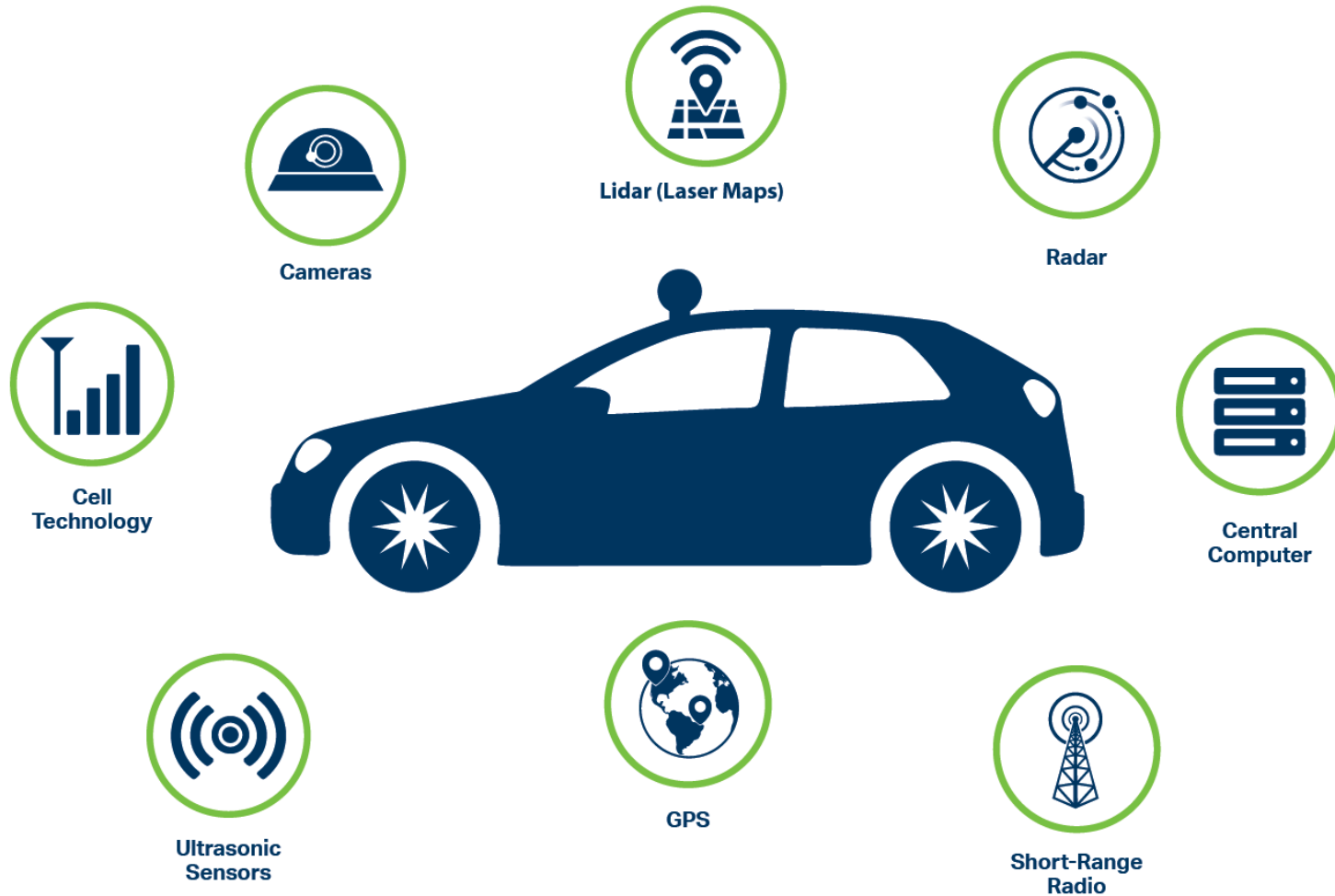


Electric



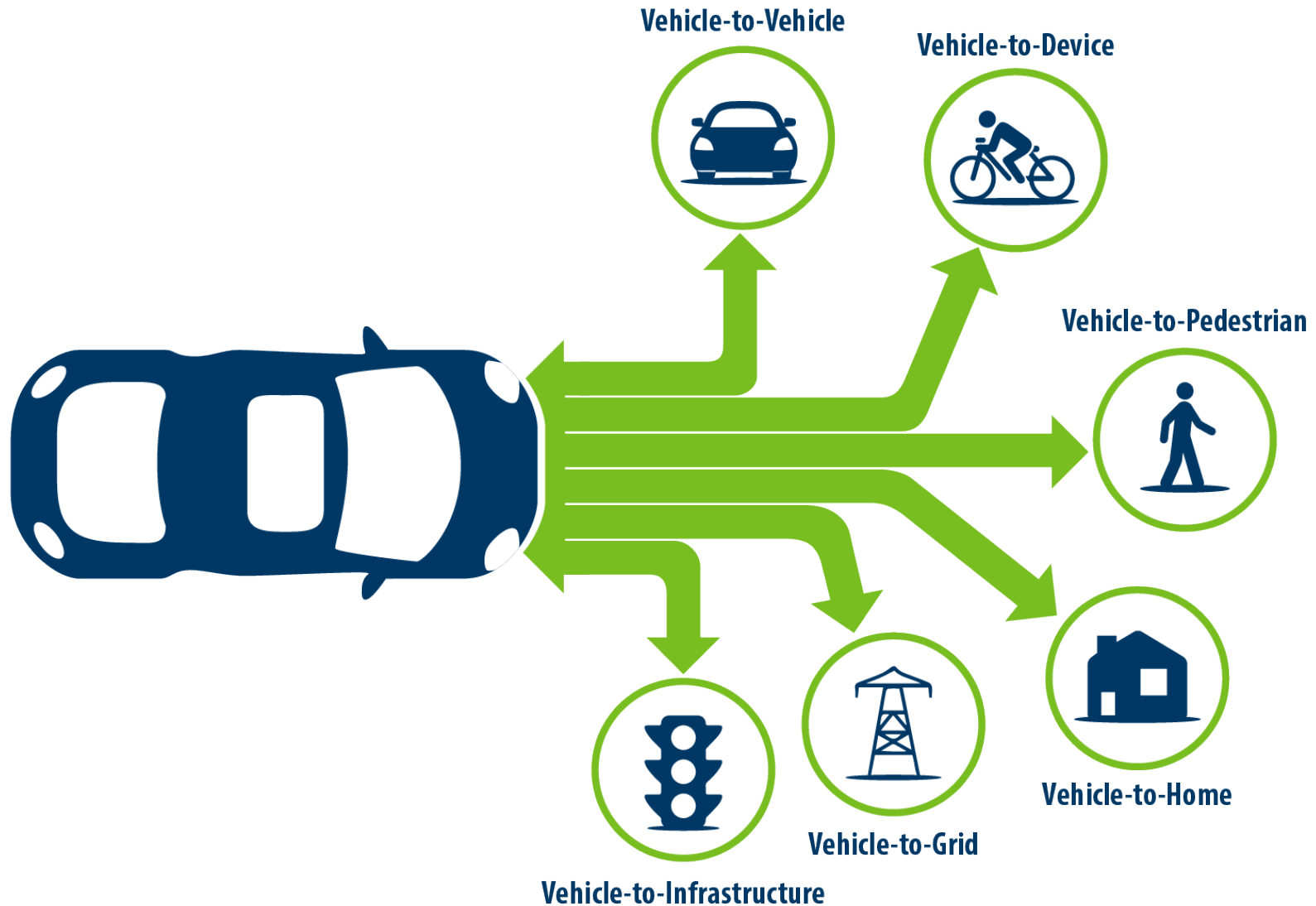
Shared

# How does it work?

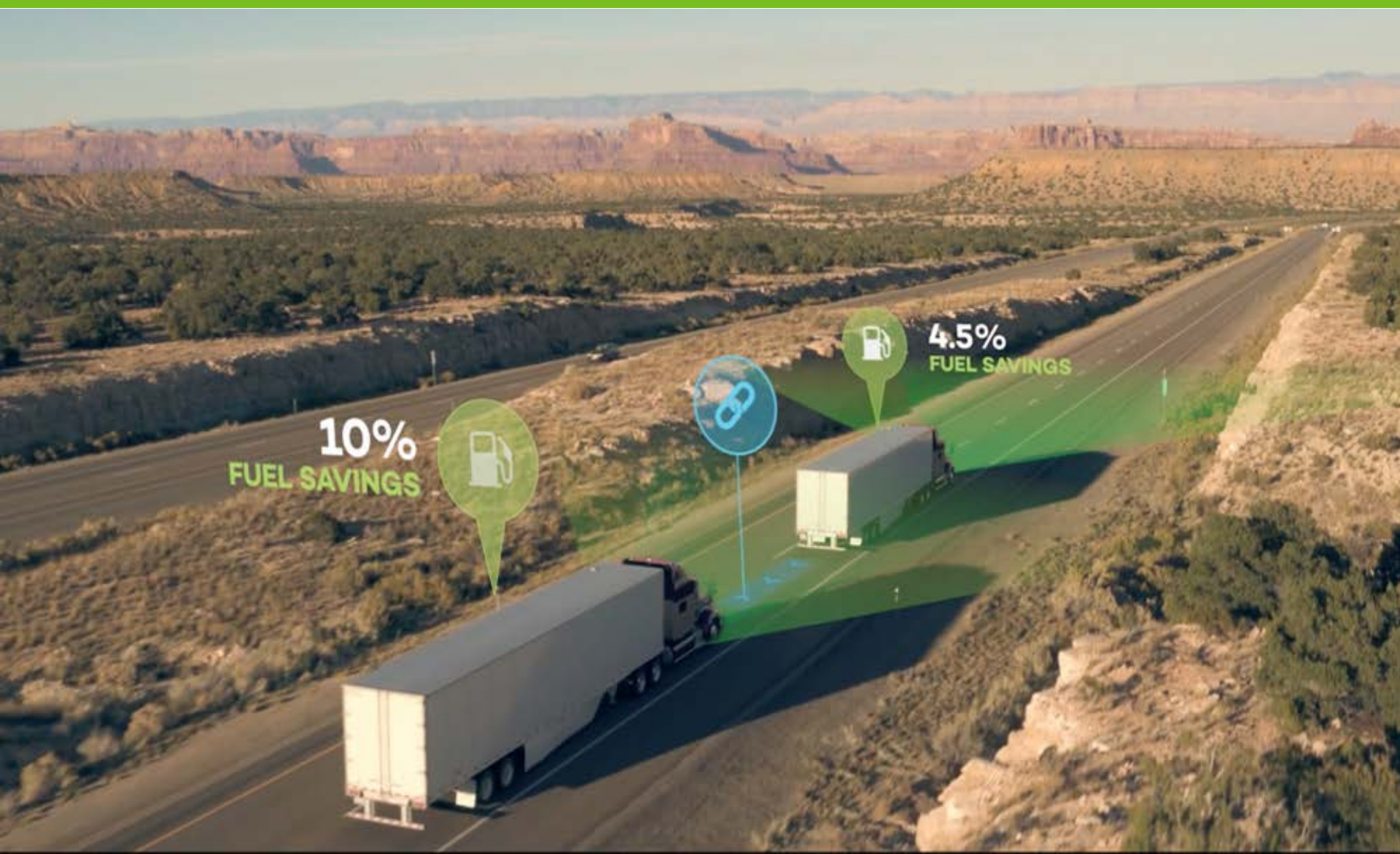




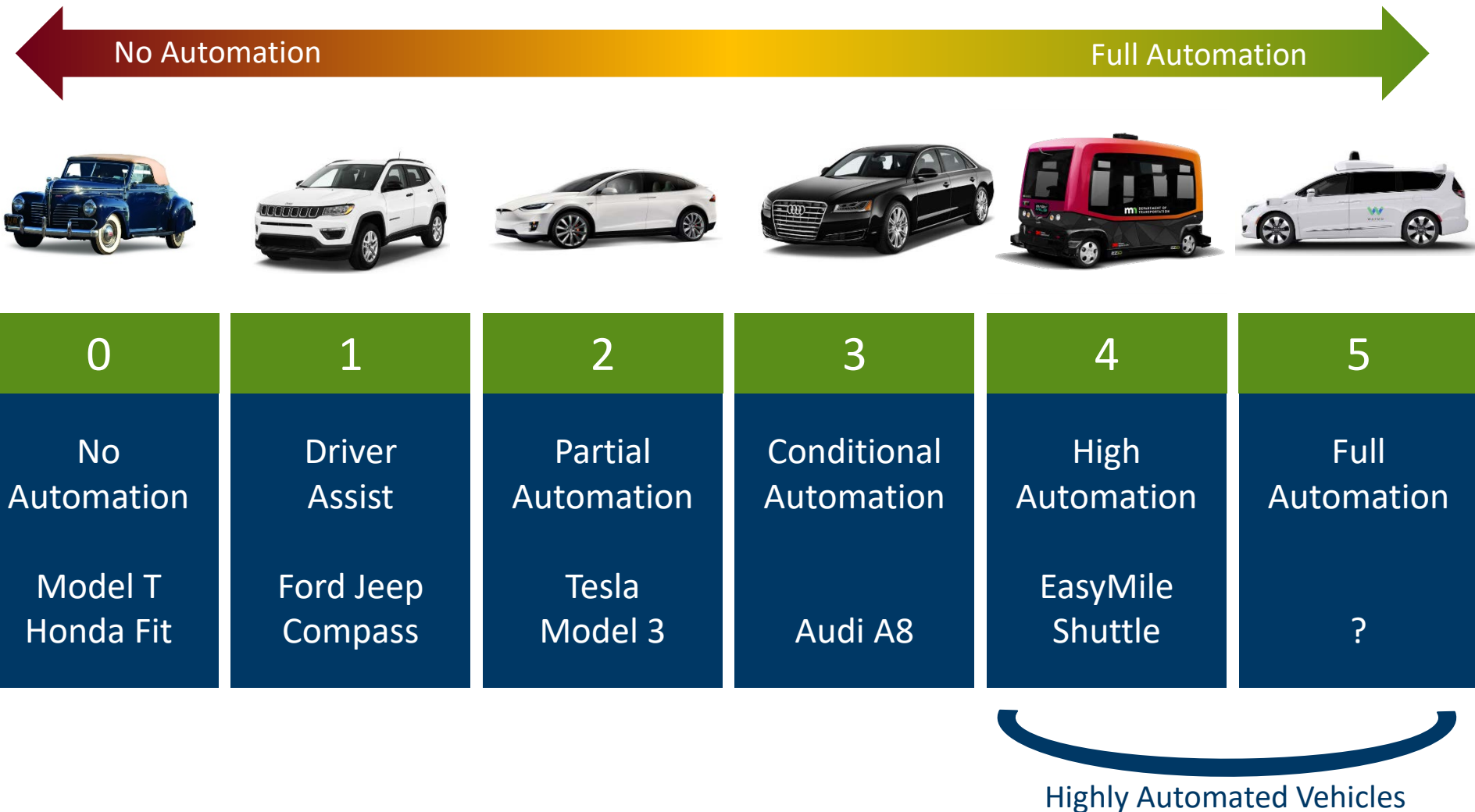
# How does it communicate?



# Truck Platooning

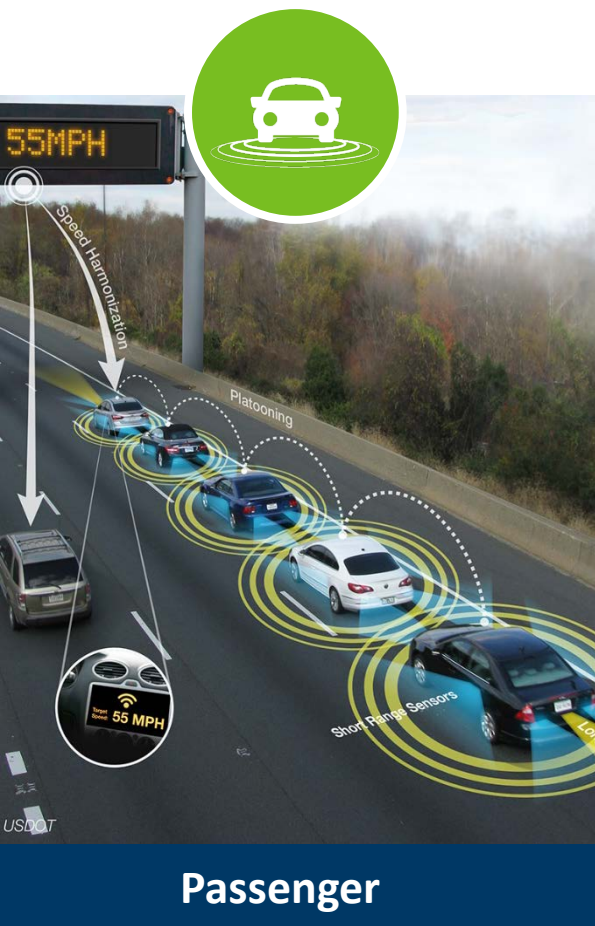


# Levels of Automation





# Not Just Cars



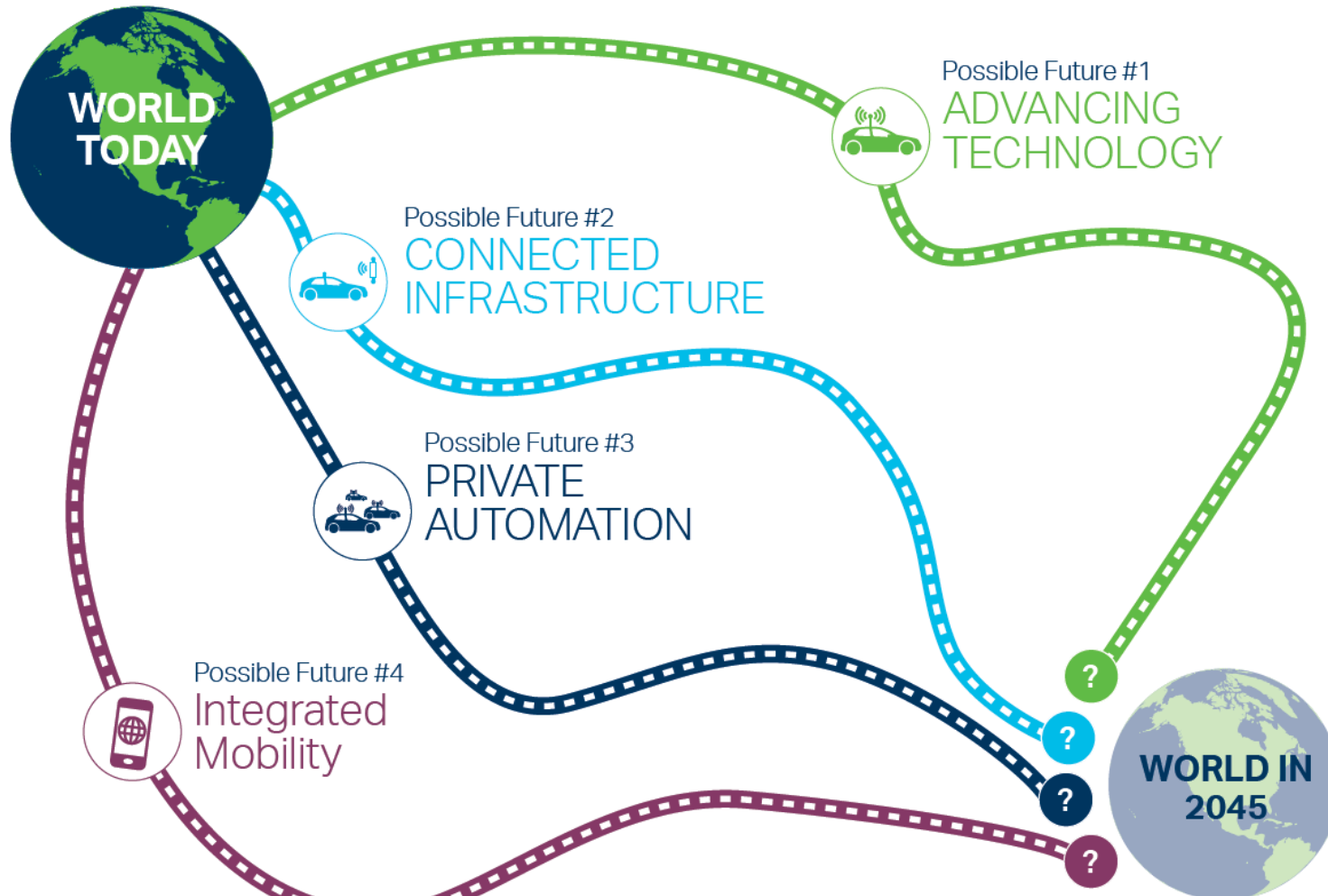


# Items Being Considered

## Automated delivery systems



# CAV - When Will It Come?

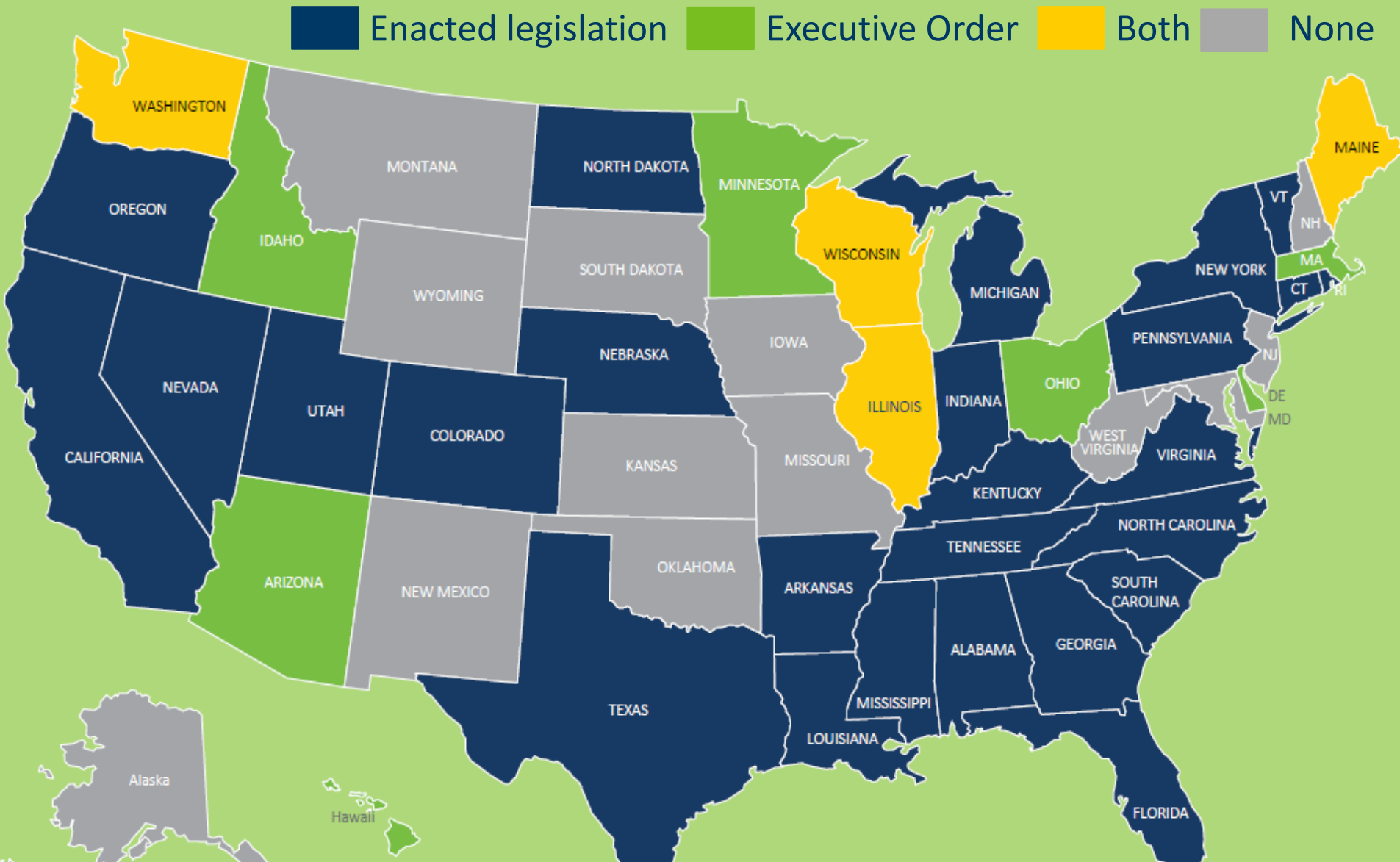


**? These are possible futures.**  
Any of these could happen. Or none.

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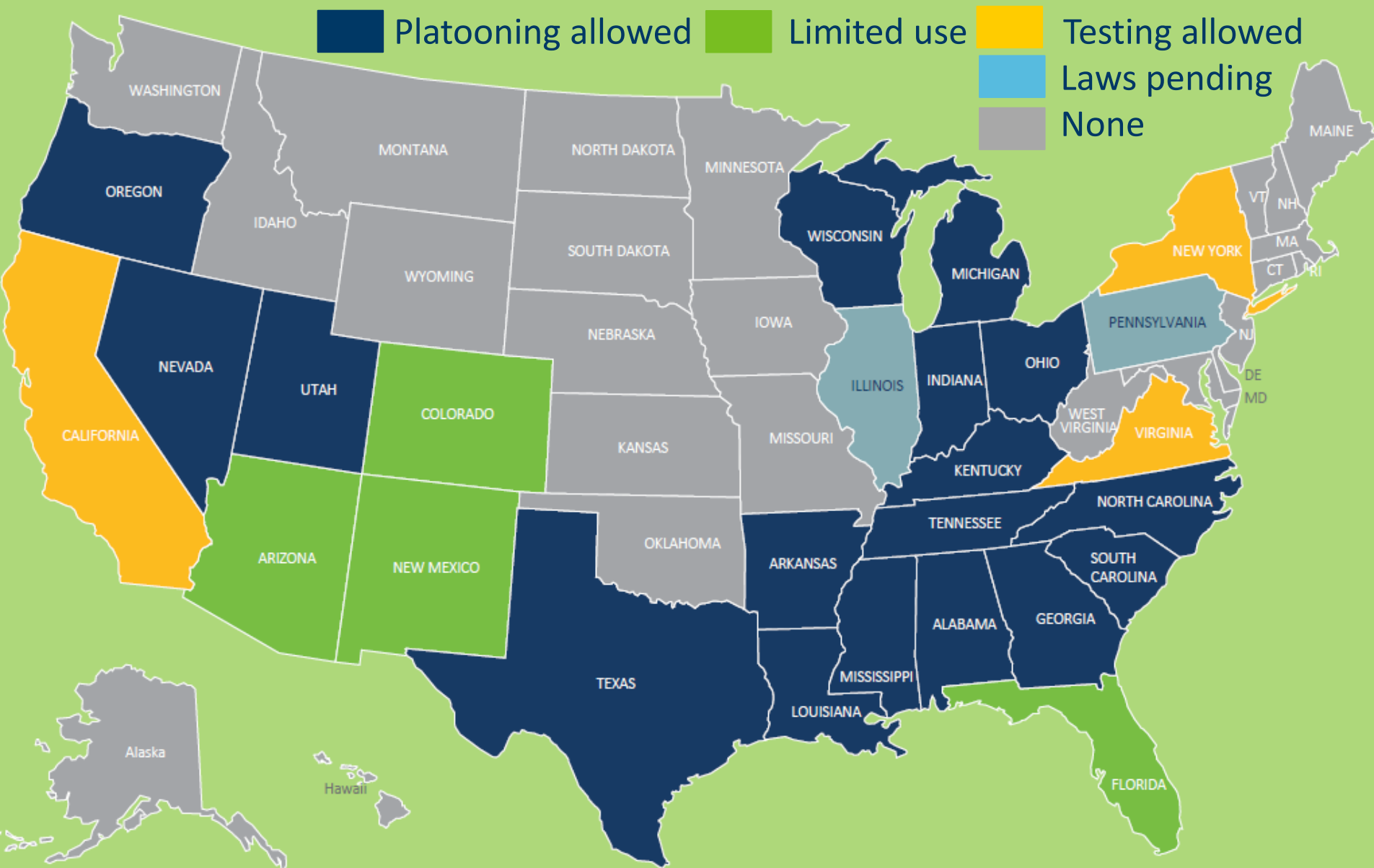
Policy &  
Planning

# State Automated Vehicle Laws

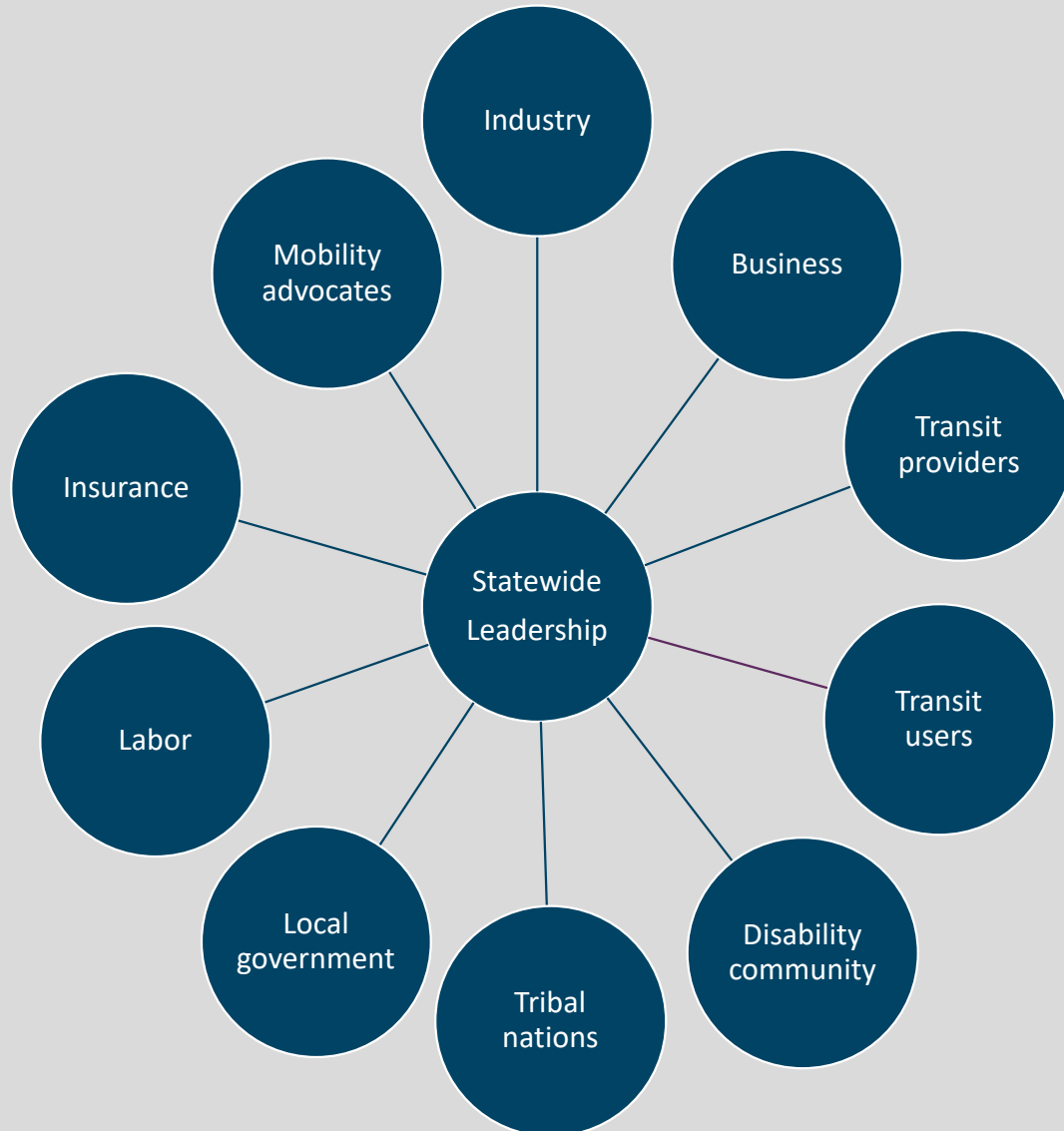




# State Connected Platooning Laws



# Governor's CAV Advisory Council



# CAV Executive Report Key Themes



Modernize policy



Equity



Proactive statewide leadership



Public education & outreach

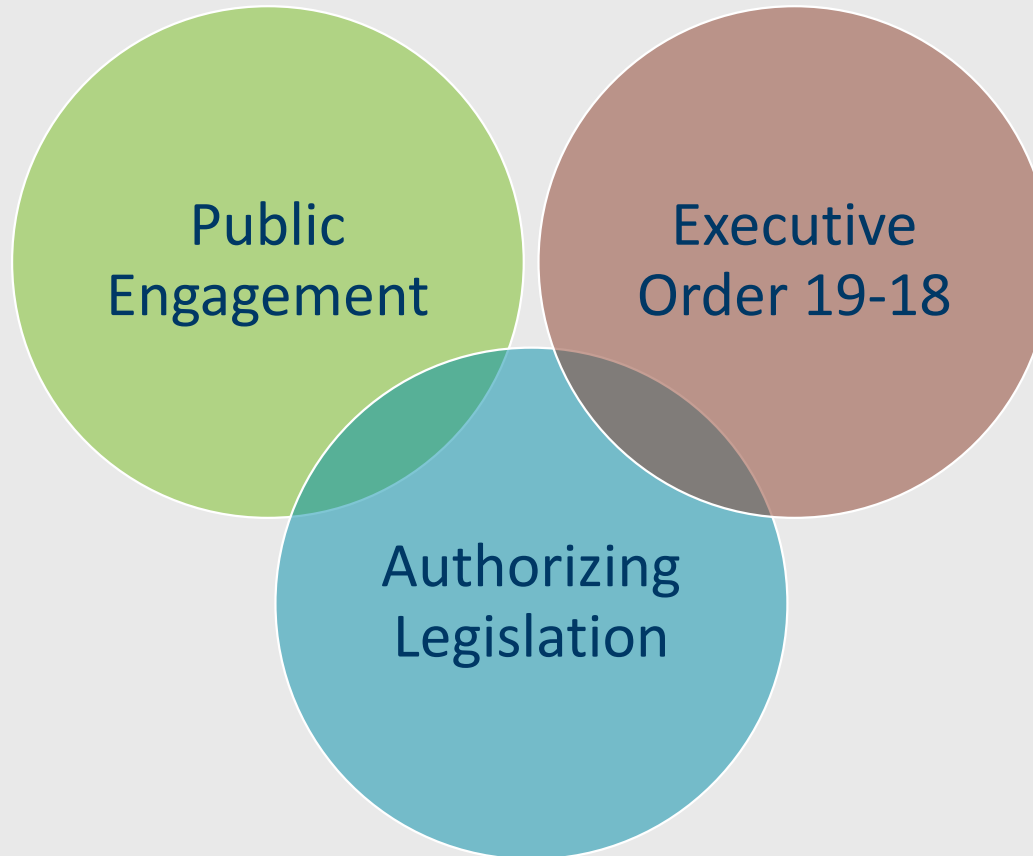


Funding and revenue



Public-private partnerships

# Next Steps





# 4

Testing and  
Partnerships

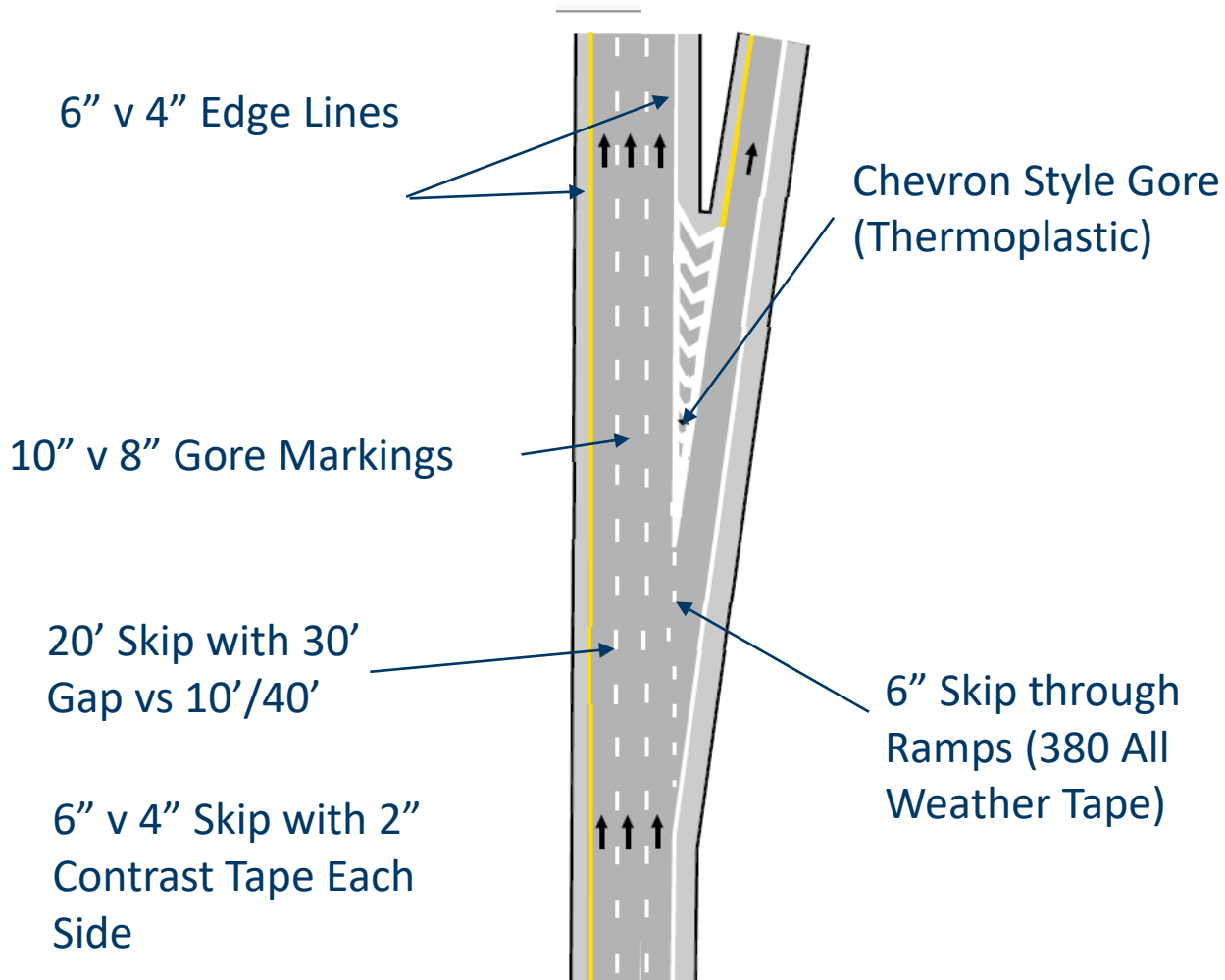
# Connected Corridors – Urban



# TH 52 Test Corridor



# I-94 Enhanced Markings





## Minnesota CAV Challenge



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Build Public  
Trust

# Public Engagement

## Super Bowl



## Minnesota State Fair





# AV Technical Demonstrations



# Thank you!

Jay Hietpas  
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