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Welcome and Founders Award



Senator Jeff Brandes
FAV Founder, Florida Policy Project
President



Greg Slater
Executive Director & CEO, Tampa Hillsborough
Expressway Authority (THEA)

Founder's Award



Leonard Becker
Senior Vice President, HNTB

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Florida Department of Transportation



Kim Holland
Assistant Secretary of Strategic
Development, Florida Department
of Transportation



Florida Automated Vehicles Summit

General Session

Kimberly A. Holland, P.E.

Assistant Secretary of Strategic Development



September 6, 2024



FLORIDA LEADS

THE NATION



FL POPULATION:
23+ MILLION



ANNUAL VISITORS:
140 MILLION



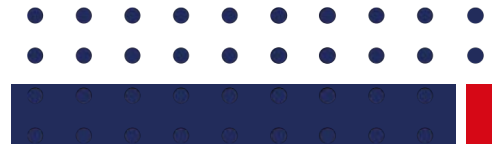
FLORIDA'S GDP:
\$1.64T



FLORIDA IS THE **14TH**
LARGEST ECONOMY

WORLD-CLASS

TRANSPORTATION NETWORK



**3 Largest Cruise Ports
in the World**



**Only State With 4 Large-
Hub Commercial Airports**

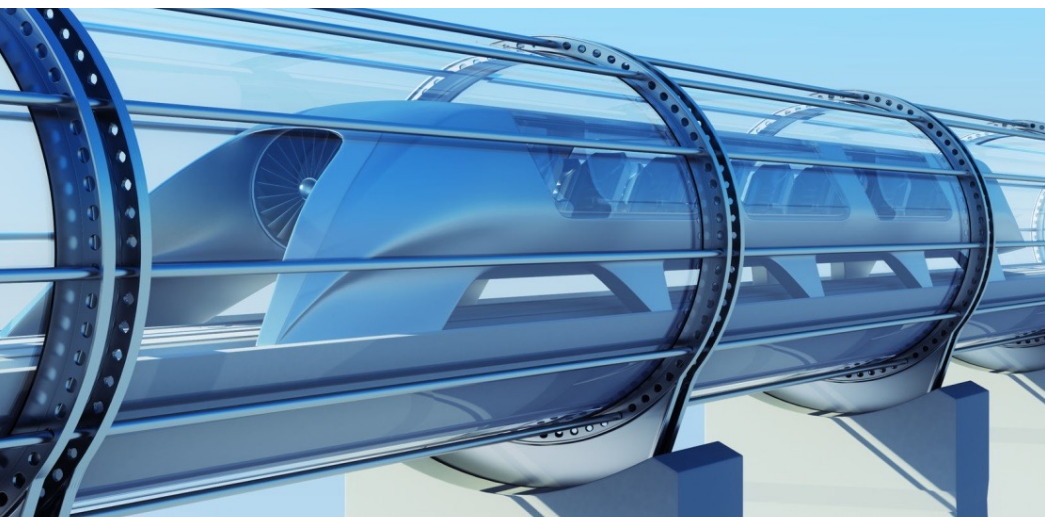
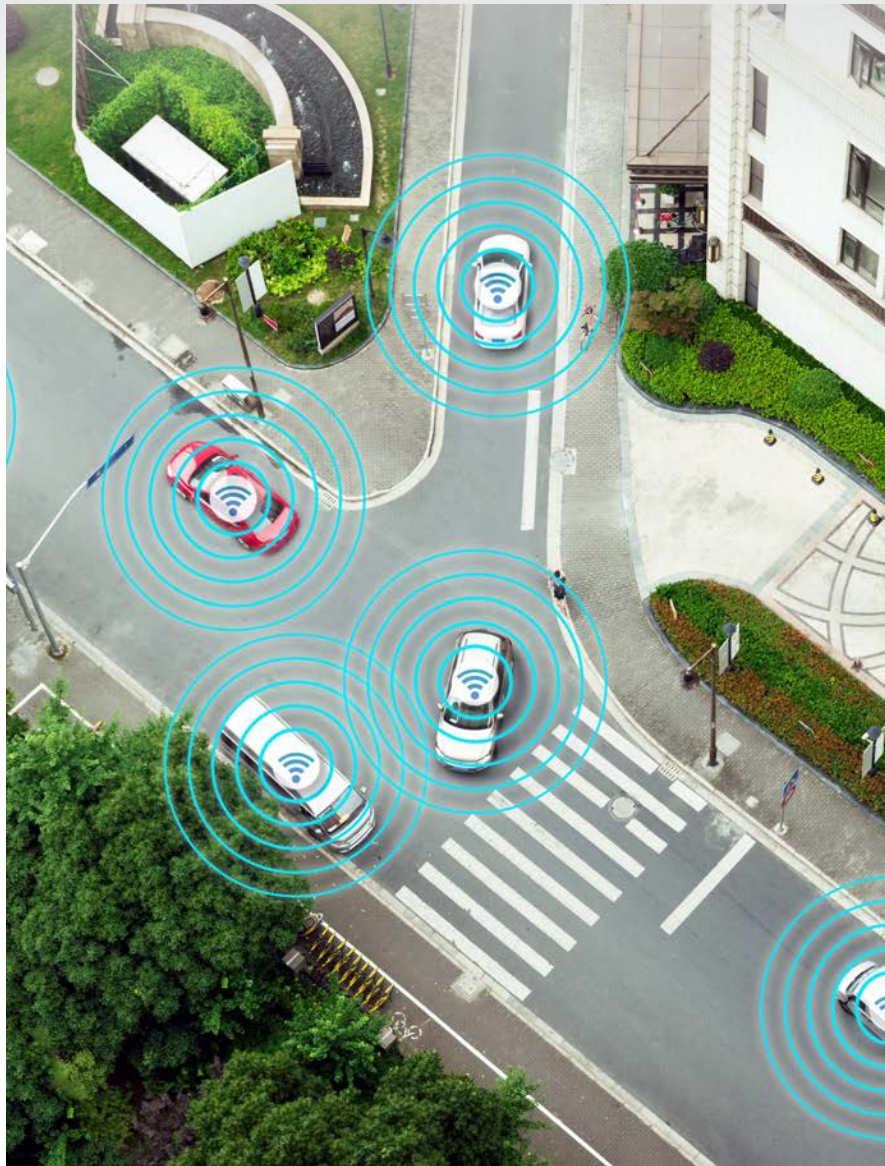


**Expanding Rail and
Transit System**



**Record Launches
into Space**

CREATING A SYSTEM FOR TOMORROW'S FUTURE



WHAT ARE THE BARRIERS?



TECHNOLOGY
HYPE

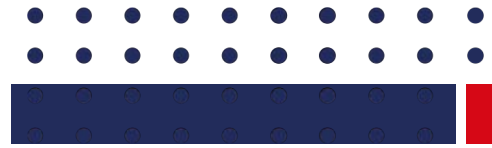


FUTURE PROOF
INVESTMENT



PUBLIC
ACCEPTANCE

HOW ARE WE ENABLING INNOVATION?



Artificial Intelligence



Drones



Cyber Technology



Advanced Air Mobility

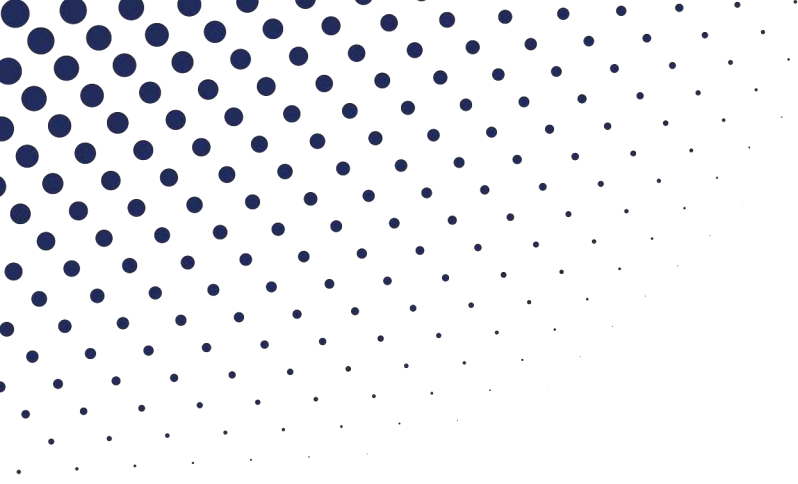


WHAT IS YOUR ROLE IN FLORIDA'S FUTURE?



floridaftp.com



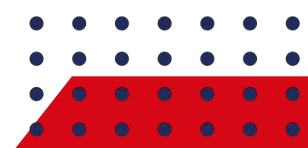


Kimberly A. Holland, P.E.

Assistant Secretary of Strategic Development

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From Concept to Reality: Pioneering the Future of Smart Roads



Keynote Speaker:
Tyler Duvall
Co-Founder & CEO,
Cavnue

Today's roads face persistent and compounding challenges...

Safety

~40,000

U.S. road fatalities in 2023, representing a ~25% 10-year increase¹

Efficiency

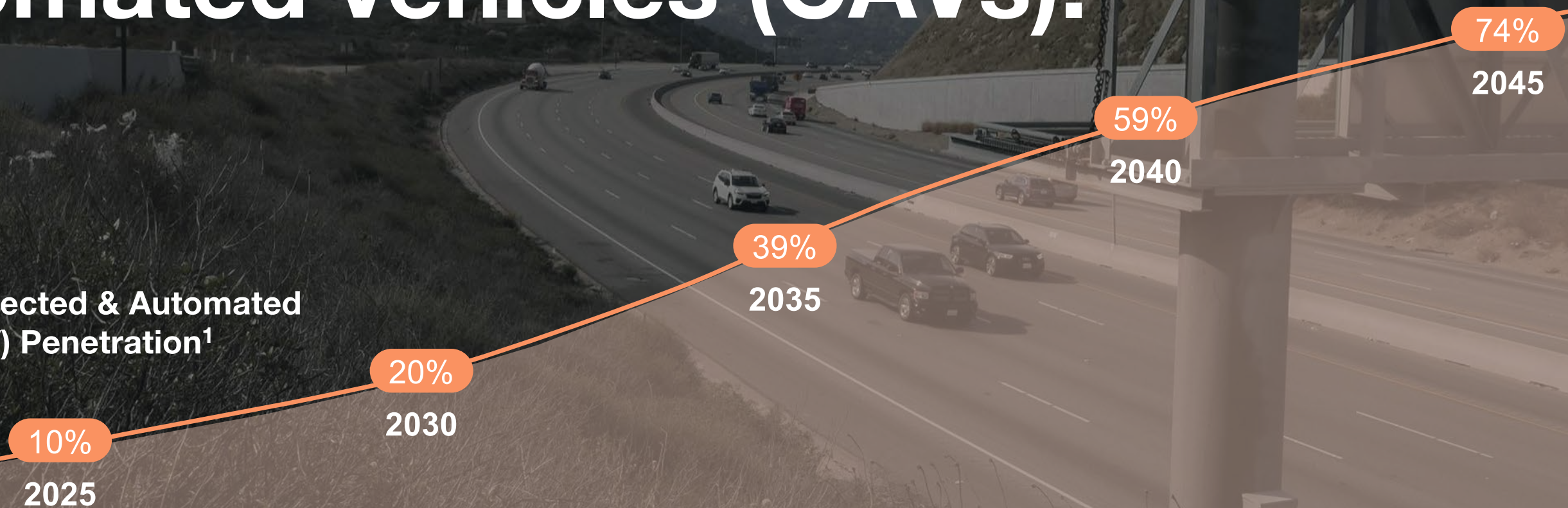
21.4%

10-year increase in U.S. congestion²

...and they must adapt to meet the growing demand for next-generation connected and automated vehicles (CAVs).

Autonomy

% U.S. Connected & Automated Vehicle (CAV) Penetration¹



(1) Based on a minimum feature set of adaptive cruise control, lane keep assist, automatic emergency braking, and 4G connectivity. Uses multiple S&P forecasts extending to between 2028-2032. We then extrapolate vehicle demand, retirements, and tech features in new vehicle sales based on historic trends. S&P Global Mobility independently reviewed this model, finding the assumptions and methodology to be logically sound and consistent with available benchmarks.

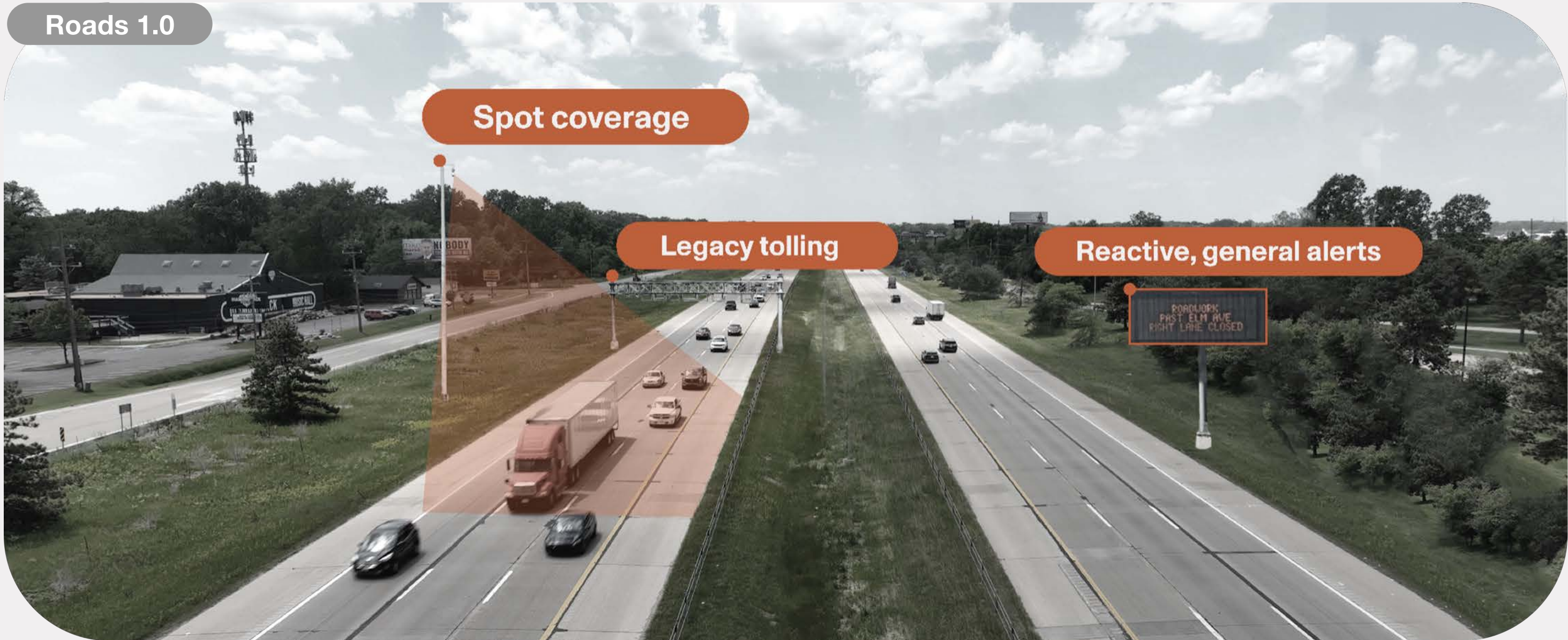
Traditional solutions are constrained by sparse deployment of technology and limited coverage.

Roads 1.0

Spot coverage

Legacy tolling

Reactive, general alerts



Smart Roads enable the safe, efficient, and automated transportation of goods and people.

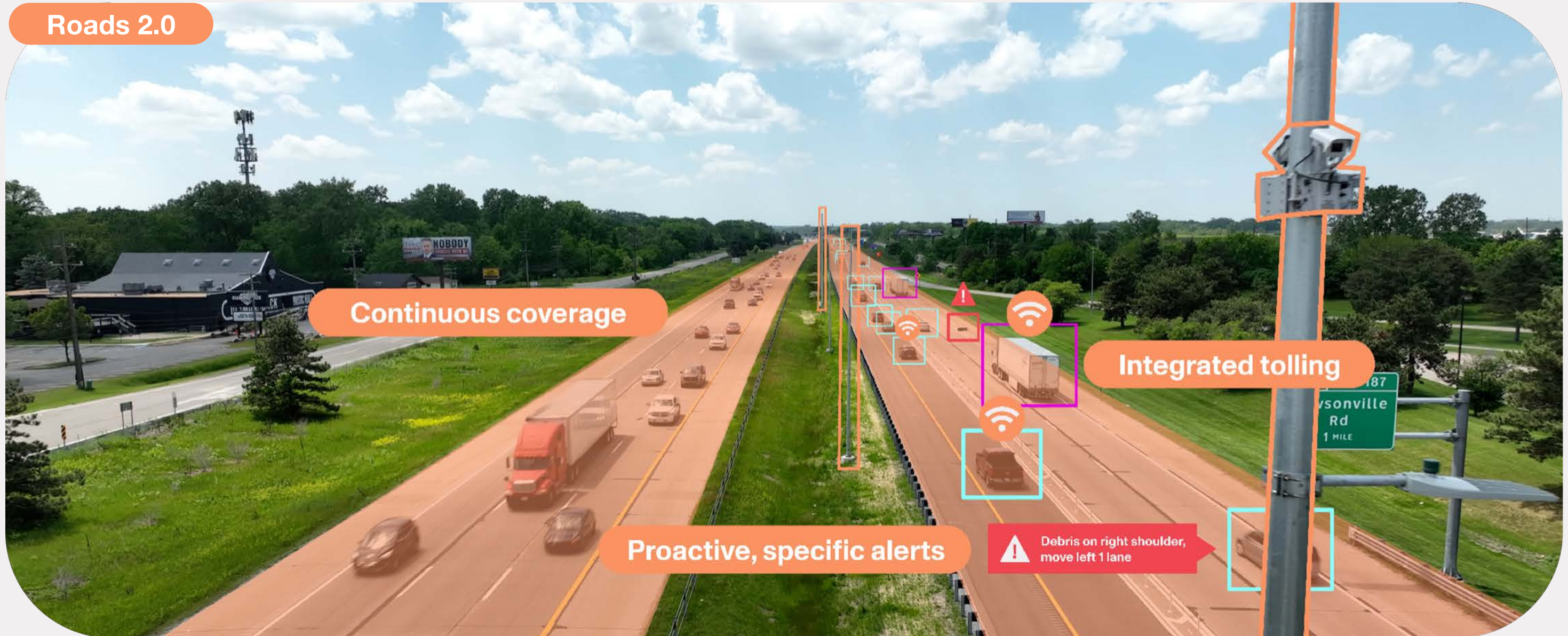
Roads 2.0

Continuous coverage

Integrated tolling

Proactive, specific alerts

Debris on right shoulder, move left 1 lane



We see two Smart Road archetypes emerging

Advanced Roadway Operations

All traffic lanes

- Improve safety and reduce congestion for all road users
- Enable predictive safety and maintenance
- Comprehensive **CAPEX Light solution**



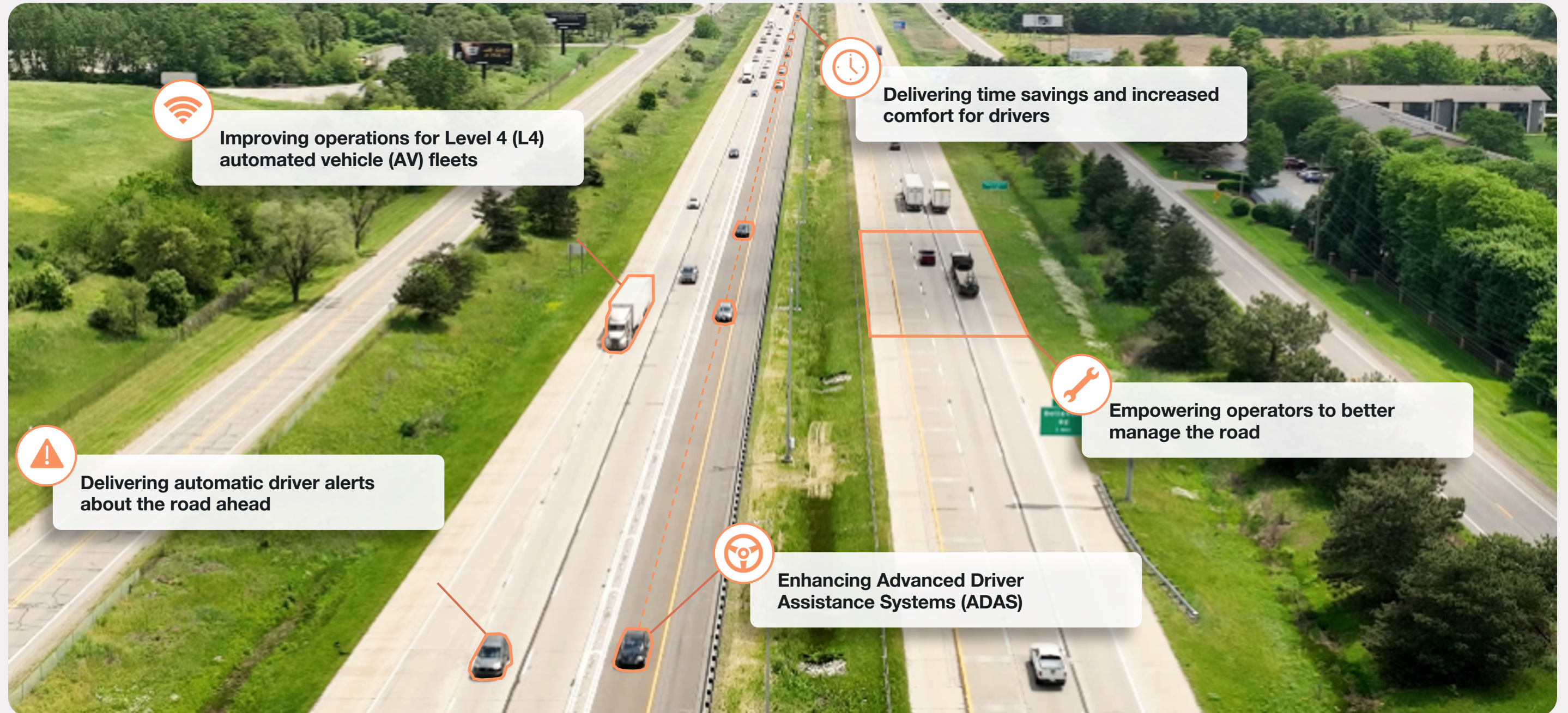
Next Generation Managed Lanes

Dedicated lane or roadways

- Enable **scalable tolling solutions for performance-based** safety and reliability outcomes
- Establish sustainable funding model based on the increasing adoption of CAVs



Smart Roads unlock greater safety, efficiency, and value



Improving operations for Level 4 (L4) automated vehicle (AV) fleets



Delivering time savings and increased comfort for drivers



Empowering operators to better manage the road



Delivering automatic driver alerts about the road ahead



Enhancing Advanced Driver Assistance Systems (ADAS)



FOX
BUSINESS

LIVE

SMART HIGHWAY PILOT CONSTRUCTION COMPLETED IN MI

VARNEY & CO.

DOW	39,131.61	▼ 37.91	-0.10%	S&P 500	5,471.31	▼ 3.78	-0.07%
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LAST TRADES	▶ 1.07		CISCO SYSTEMS (CSCO)	47.48	▼ 0.04		UNITED
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DOW

39,131.61

▼ 37.91

-0.10%

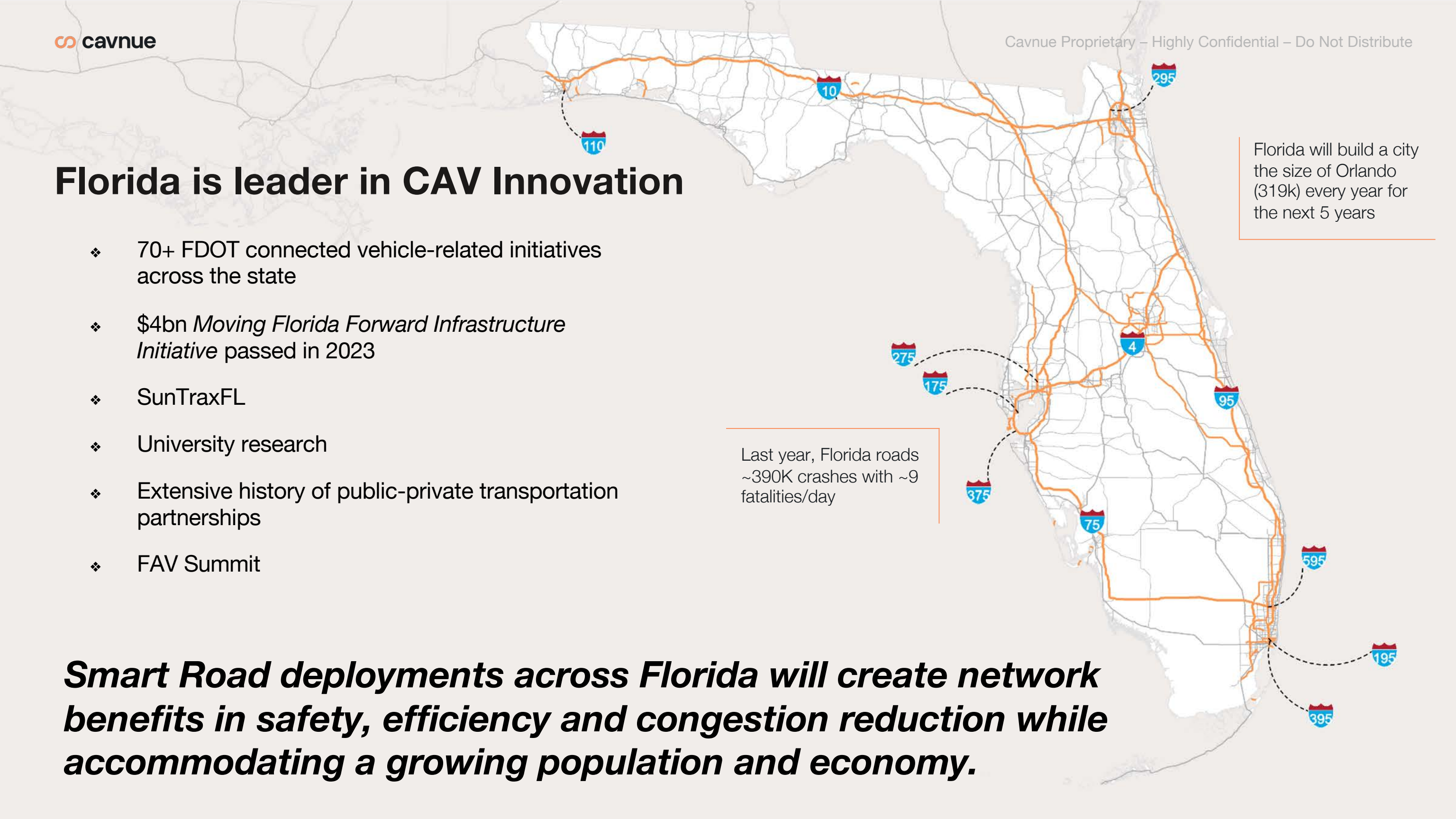
Florida is leader in CAV Innovation

- ❖ 70+ FDOT connected vehicle-related initiatives across the state
- ❖ \$4bn *Moving Florida Forward Infrastructure Initiative* passed in 2023
- ❖ SunTraxFL
- ❖ University research
- ❖ Extensive history of public-private transportation partnerships
- ❖ FAV Summit

Florida will build a city the size of Orlando (319k) every year for the next 5 years

Last year, Florida roads ~390K crashes with ~9 fatalities/day

Smart Road deployments across Florida will create network benefits in safety, efficiency and congestion reduction while accommodating a growing population and economy.



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Everything Everywhere All at Once: At the Intersection of Artificial Intelligence



**Brad Templeton,
Chairman Emeritus,
Electronic Frontier
Foundation (EFF)**

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Revolutionizing Mobility: Florida Leading the Future of Autonomous Shuttle Manufacturing, Technology, and Regulatory Reform



Moderator:
Racquel Asa
Senior Director of
External Affairs, CFX



Joe Moye
CEO, Beep
Moderator



Scott Belcher
Executive Director of the
ACES Mobility Coalition



Gregory Crandell
General Manager
Americas, Holon

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A Gathering Storm or a Brilliant Future? Autonomous Vehicles in the Era of US - China Competition



Moderator:
Ariel Wolf
Venable LLP



Matthew Weed
Product and Technology
Specialist, Luminar Technologies



David Feith
Partner at Garnaut Global
LLC, Former US Deputy
Assistant Secretary of State for
East Asia

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