Today's roads face persistent and compounding challenges…

Safety

~40,000

U.S. road fatalities in 2023, representing a ~25% 10-year increase[1]

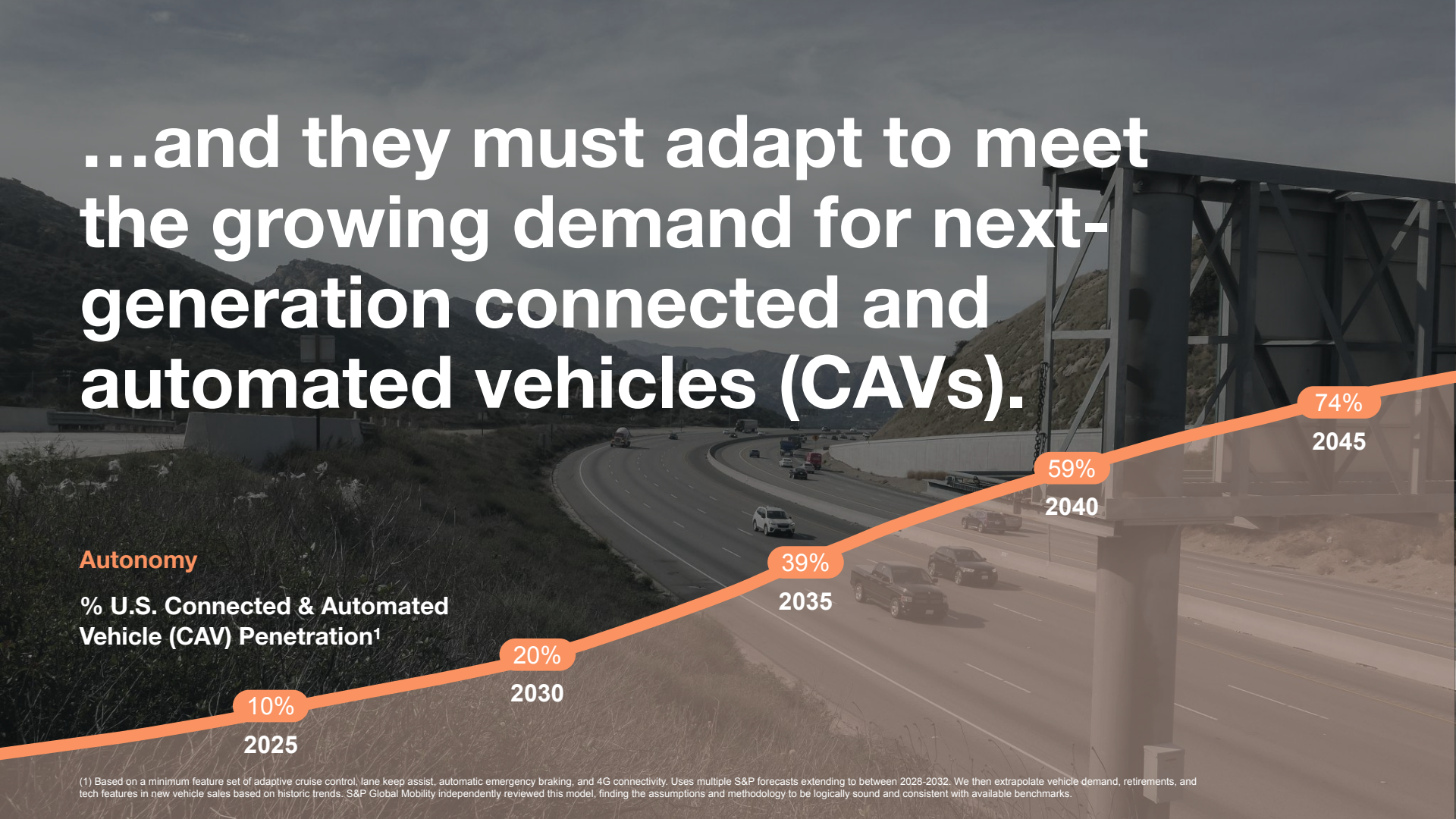
Efficiency

21.4%

10-year increase in U.S. congestion[2]

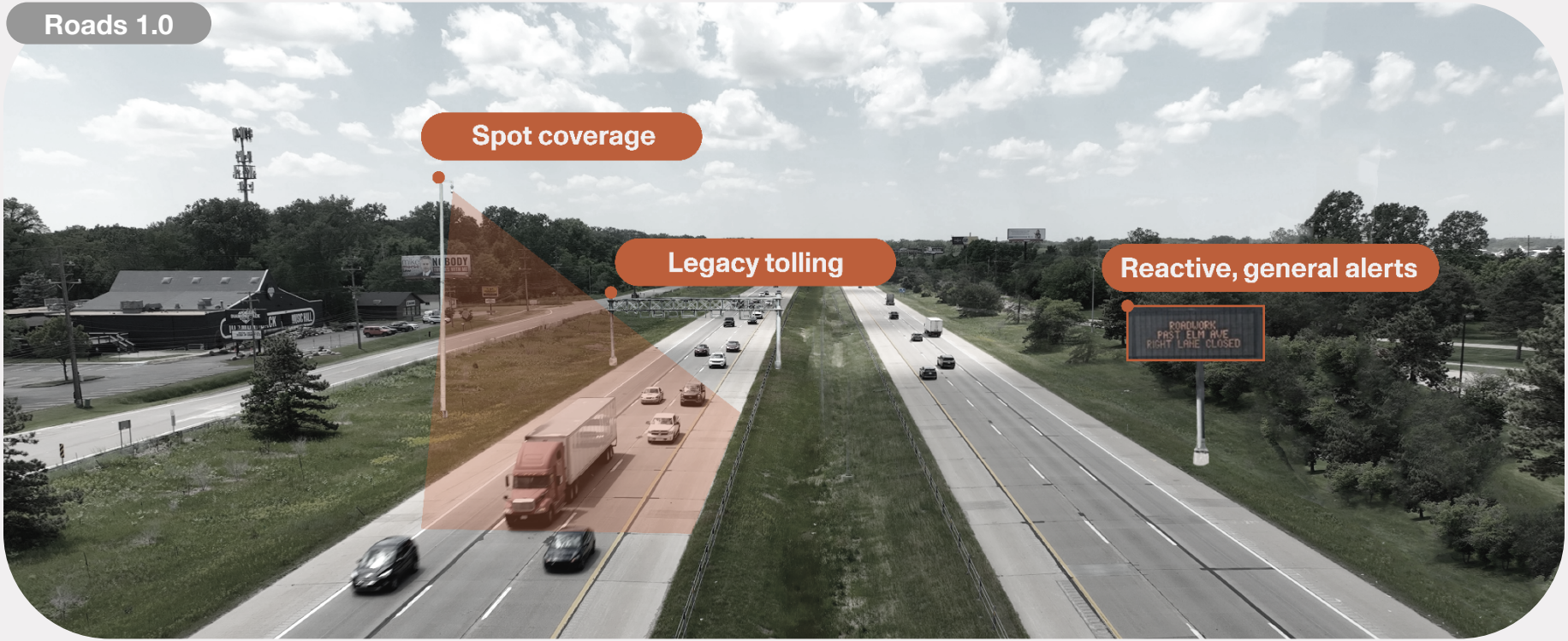
(1) United States Department of Transportation (April 2024), (2) INRIX (2015-2022).

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

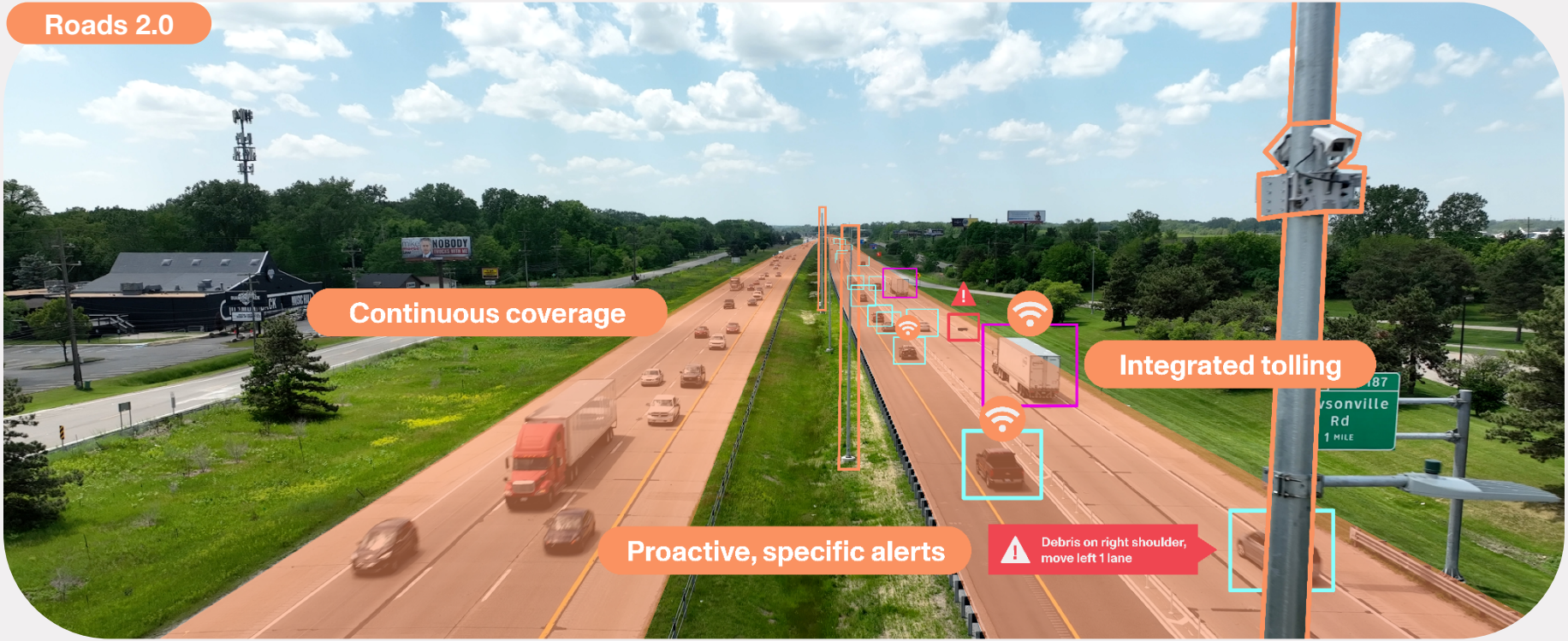


(1) Based on a minimum feature set of adaptive cruise control, lane keep assist, automatic emergency braking, and 4G connectivity. Uses multiple S&P forecasts extending to between 2028-2032. We then extrapolate vehicle demand, retirements, and tech features in new vehicle sales based on historic trends. 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.



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



Smart Roads address these problems through full coverage, seamless integration with vehicles, and predictive insights.

Smart Roads

Lane-level fidelity, real-time awareness

Highest value service with continuous coverage to mitigate crash risk and non-recurring congestion on priority corridors

Automated detection of:

- Traffic flow
- Incidents
- Road hazards
- Road surface condition
- Vulnerable road users
- Hazardous vehicle behavior
- Vehicle classification
- Weather condition

Dynamic drive guidance for:

- Hazard alerts
- Lane change
- Speed change

Managed Smart Roads

Integrated tolling for demand management

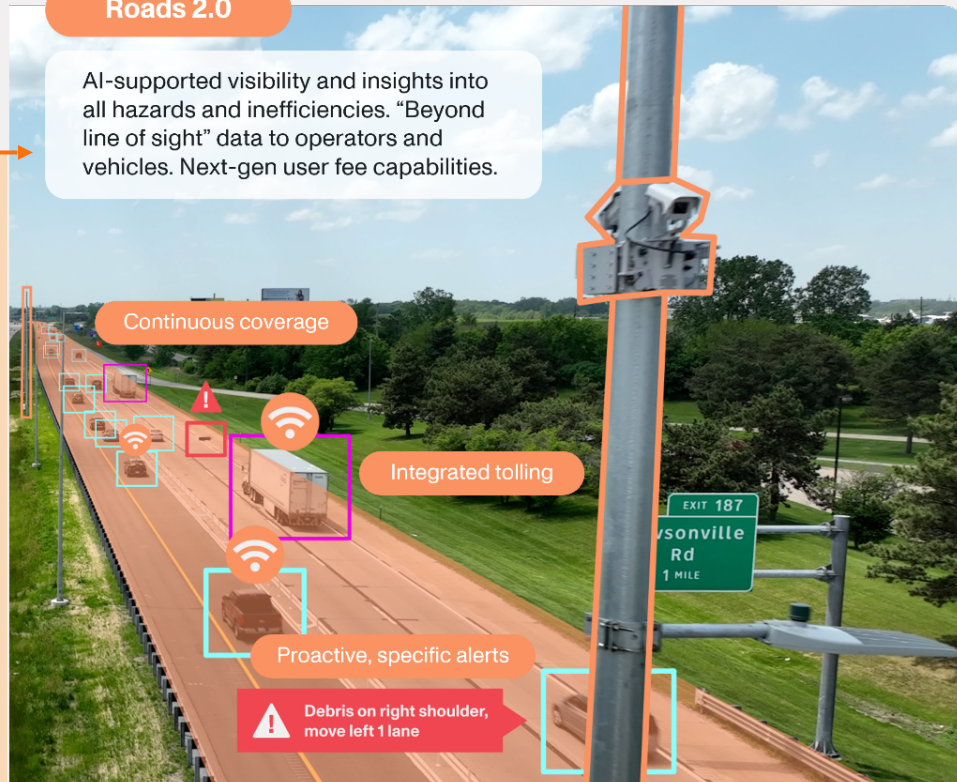
A smart road with demand management strategies to address congestion and accelerate benefits of advanced vehicles

Digital implementation of:

- Pricing Demand Management
- Vehicle Eligibility Demand Management
- Cooperative Adaptive Cruise Control

Roads 2.0

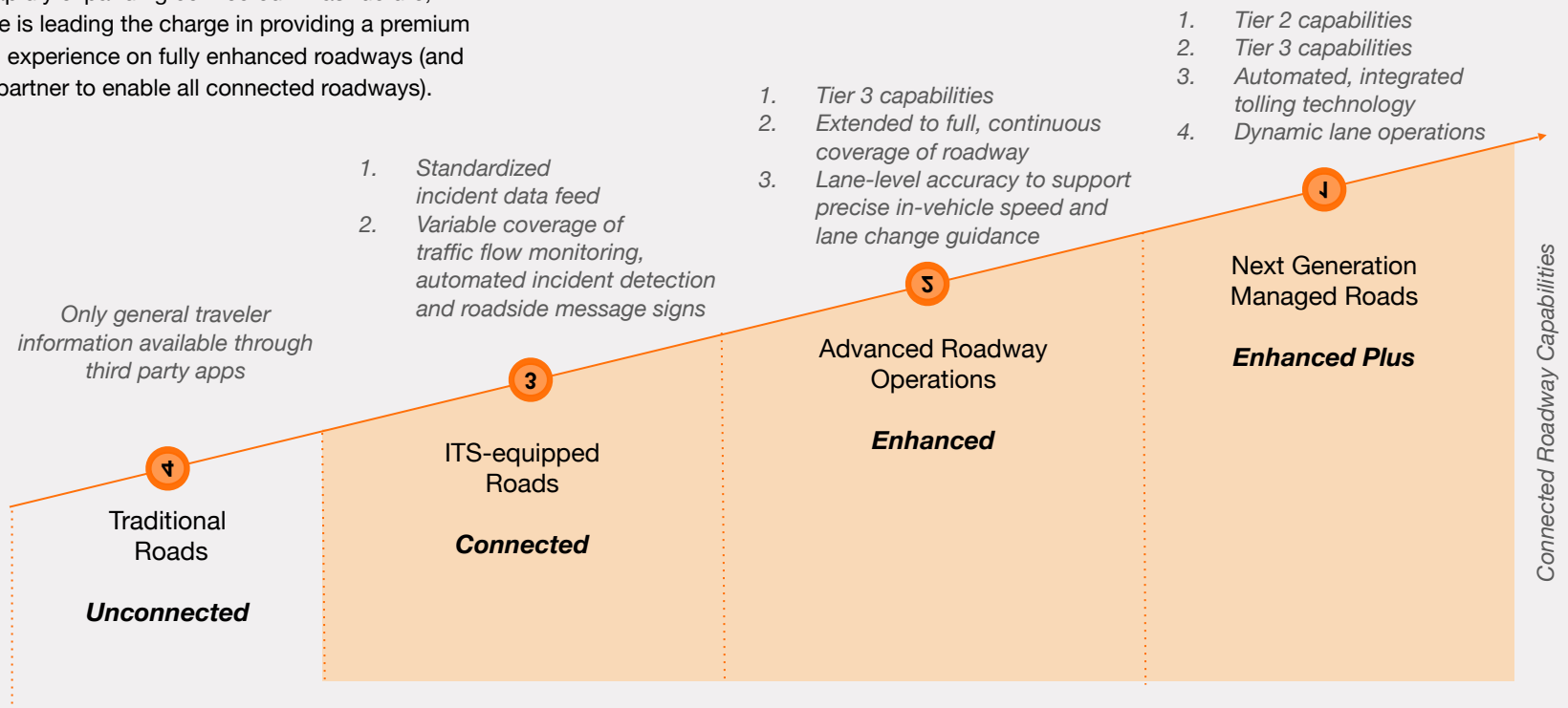
AI-supported visibility and insights into all hazards and inefficiencies. “Beyond line of sight” data to operators and vehicles. Next-gen user fee capabilities.



We envision a Tiered Roadways construct

Tiered Roadways Overview

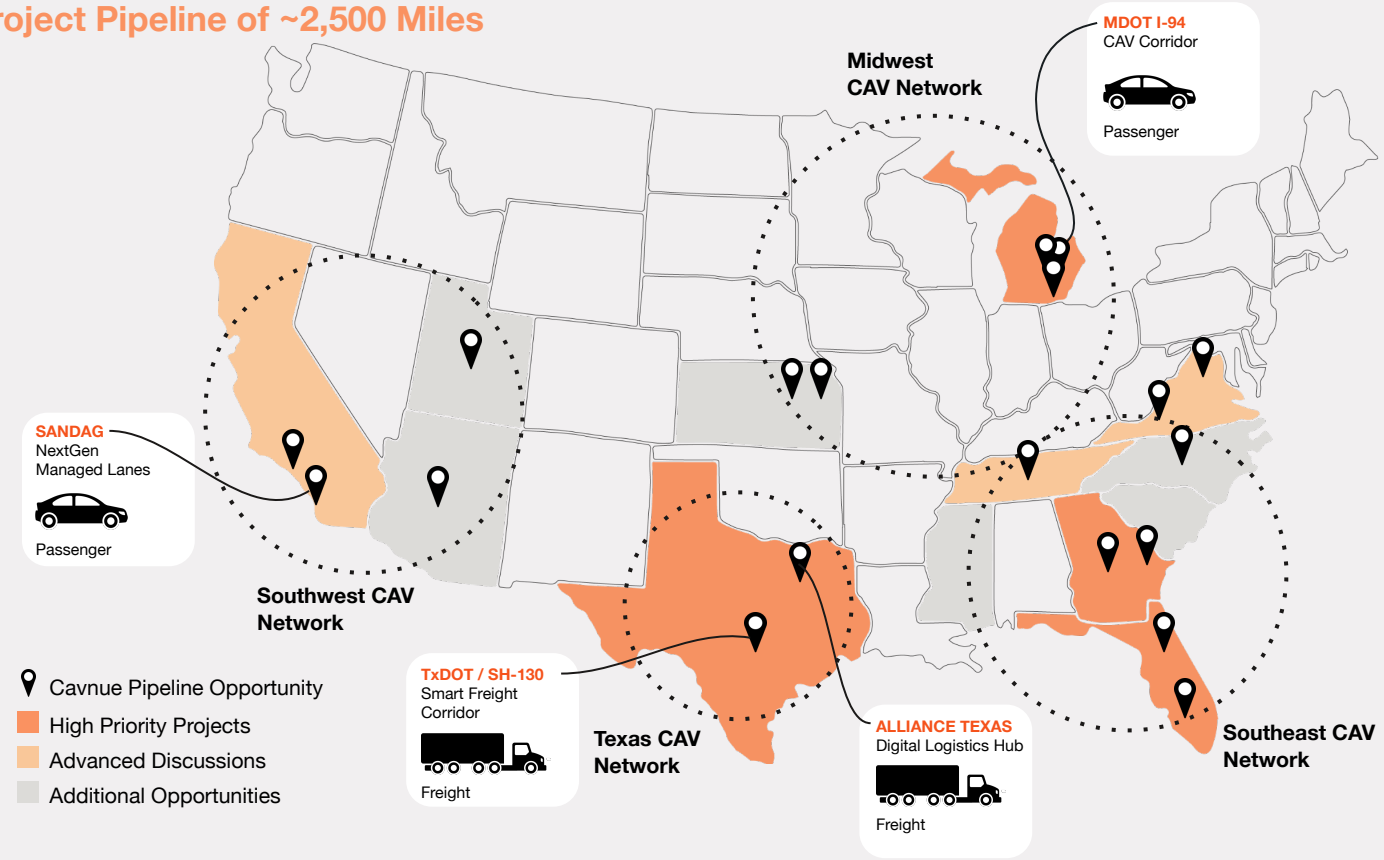
With rapidly expanding connected infrastructure, Cavnue is leading the charge in providing a premium driving experience on fully enhanced roadways (and could partner to enable all connected roadways).



Notes: Tiered Roadways construct assumes FHWA functional classification 1 (interstate) and 2 (freeways and highways) only. Existing toll roads would fall into Tiers 2 and 3 unless upgraded to standardized tolling protocol.

America's leading smart road developer / operator

Cavnue Project Pipeline of ~2,500 Miles




CAVNUE
Downtown:
FOX BUSINESS LIVE
SMART HIGHWAY PILOT CONSTRUCTION COMPLETED IN MI
VARNEY & CO.
DOW
39,129.70
39.82
-0.10%
DOW 39,131.61 37.91 -0.10%
S&P 500 5,471.31 3.78 -0.07%
LAST TRADES
CISCO SYSTEMS (CSCO) 47.48 0.04
UNITED A