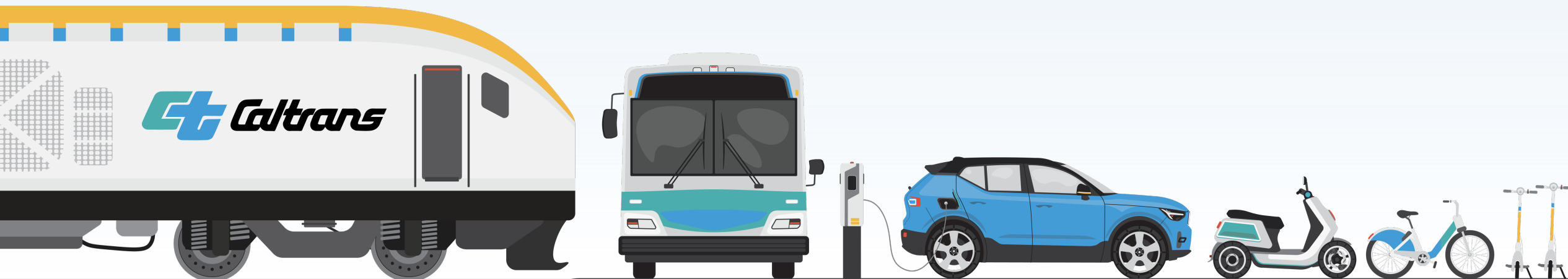




Caltrans Integrated Mobility

Connecting the dots on transportation innovation across California, the U.S., and the world.

October 8th 2024





NOW ARRIVING

Mobility Headlines

Global developments in transportation



Miami-Dade County making progress to expand public transit with the SMART Program

September 28th 2024

The **Strategic Miami Area Rapid Transit (SMART) Plan** was passed in 2016, funded by a local surtax approved by voters back in 2002. The Program includes 7 new rapid transit corridors, dramatically expanding access to transit beyond the existing 25-mile Metrorail system. Each corridor is anticipated to cost \$6-8 billion, and while the southern corridor is nearing completion in 2025, others are aiming for 2030's and beyond. Why do these new corridors take so long and cost so much?



- **Good planning takes time** – deciding where to place new corridors requires extensive surveying to determine where people need them most. Planners must also balance the need for a specific route that has marginal increases in connectivity with what can be significantly increased price tags.
- **Permits, permits, permits** – building the infrastructure required for an efficient corridor, such as dedicated lanes, sunken tracks, etc. require consideration of environmental and human impacts, and the associated permitting processes can take years.
- **Supply chains** – even with a strong plan and the permissions to build, equipment takes time to manufacture and deliver. A Miami-Dade County official remarked that electric trains alone have 4-5 year wait lists.

USDOT releases \$521 million in new funds for EV charging across the U.S.

\$321 million

For community charging and alternative fuels (i.e. charger ports, etc.)



September 13th, 2024

The **Charging and Fueling Infrastructure Discretionary Grant Program** (CFI) is a competitive grant that has just awarded \$521 million to 51 awardees across the country. Round Two, which closed for applications on September 11, will award an additional \$800 million.

This grant supports the refueling infrastructure needed for hydrogen, propane, and natural gas vehicles in addition to electric ones.

\$200 million

To build-out infrastructure along designated corridors

40%

Directly to disadvantaged communities

30

States, including the District of Columbia

8

Federally-recognized tribes

NY MTA depots to be outfitted with cloud-based charging management technologies for ZEBs.

September 11th, 2024

Four NY MTA depots will be outfitted with over 700 charging points to support an overall fleet of 5,800 electric buses by 2040. The agency collaborated with **INIT**, the **New York Power Authority**, and **Guth DeGonzo Construction** to develop the plan, and will use **CarMediaLab** technology.

Administrators cite three key advantages of this plan...

- **Local controllers** at each depot to ensure smooth charging in the event of an internet outage
- **Interoperability across systems** allowing communication across yard management and dispatch
- A **unique interface to control energy flows** for maximum efficiency

The project will undoubtedly garner attention as other large transit systems move towards electric vehicles and work to solve the complex operational problems associated with electrification.



Open-loop payments are on the rise across the U.S., in the East and West!

September 11th, 2024



The **California Integrated Travel Project**, with its pre-negotiated contracts for open-loop payment systems and automatic discount eligibility verification continues to garner interest both in-state and beyond. **Monterey-Salinas Transit** was the first to leverage the agreements and launch open-loop, a move a spokesperson says was necessary in light of the sheer cost of collecting cash. **Coast RTA** in South Carolina also collaborated with Cal ITP, a testament to the system's affordability for even an agency of 23 vehicles.



Massachusetts Bay Transportation Authority

In a LinkedIn post Wednesday, the **Massachusetts Bay Transportation Authority** (MBTA) announced it had reached the 1,000,000th tap in their new contactless payment system, which came online August 1, 2024. Implemented by the MBTA's existing fare collection vendor Cubic, the fare collection upgrade came about 3 years late and \$200 million over budget compared to the ~\$700 million agreement originally signed with Cubic in 2017 due to COVID, technology development delays, and a rework of data privacy practices.

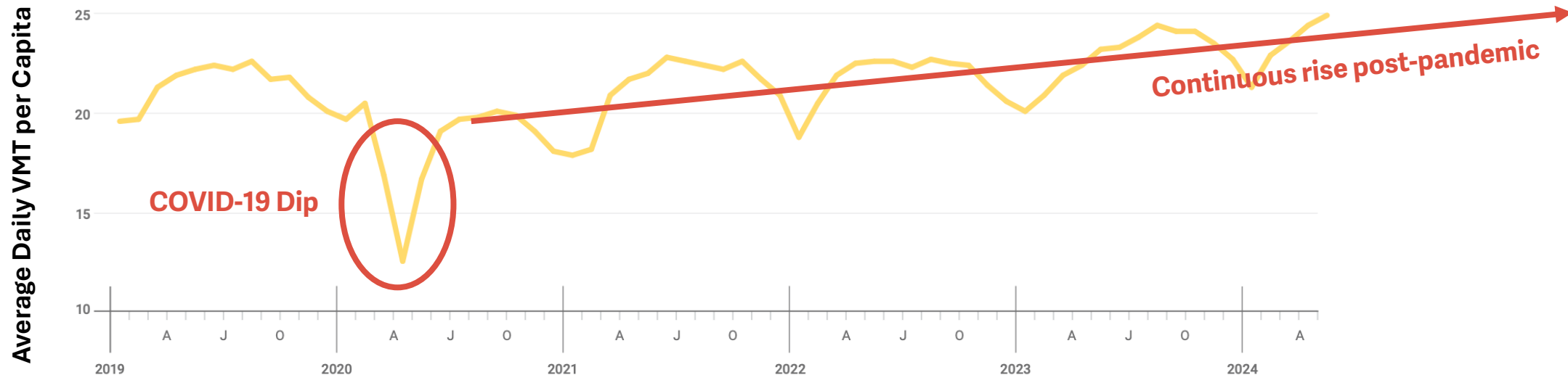
Sources: [MBTA](#) [Boston Herald](#) [RouteFifty](#) [Cambridge Day](#)

Data Spotlight:

Analyzing rising VMT across the USA

Per-capita VMT reaches new highs across the U.S., indicating more work is needed to reduce car use.

Based on new analysis from **Streetlight Data**, VMT in the United States has risen consistently over the past 5 years and shows no signs of slowing. Following a dramatic decline due to the COVID 19 pandemic, the average American is now traveling about **25 vehicle miles per day**.



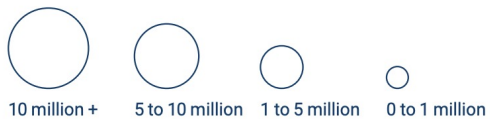
Data and Visuals sourced from [StreetLight](#)

88% of top 100 metros saw VMT increases, but California cities stood out for their VMT decreases.

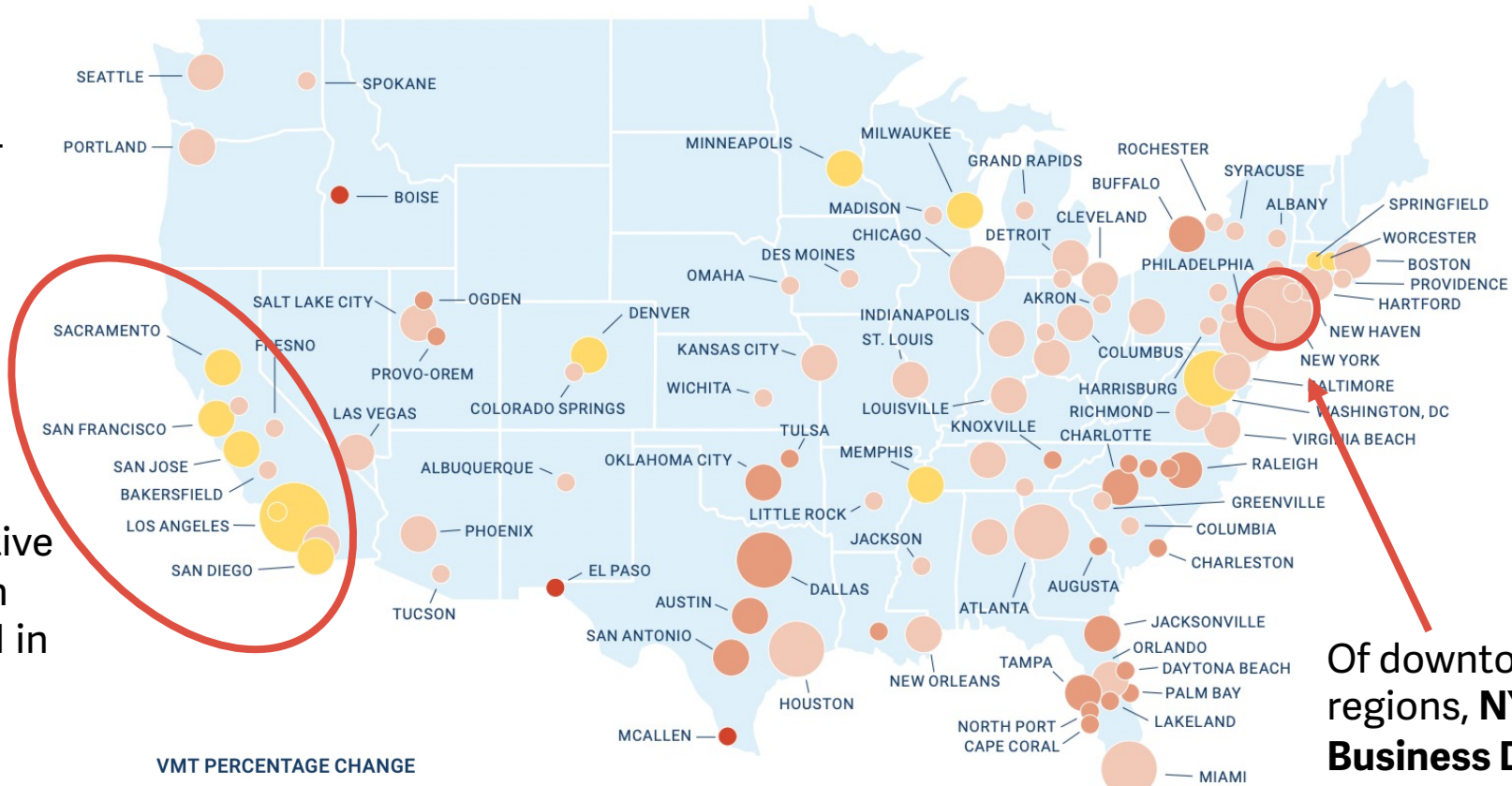
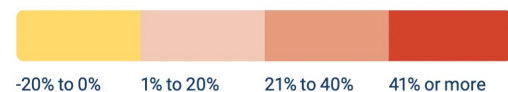
Of 13 cities with VMT decreases, 6 of them were in California.

Los Angeles saw the biggest relative decline in VMT, down 17%, but still ranks #1 in overall congestion.

METRO POPULATION



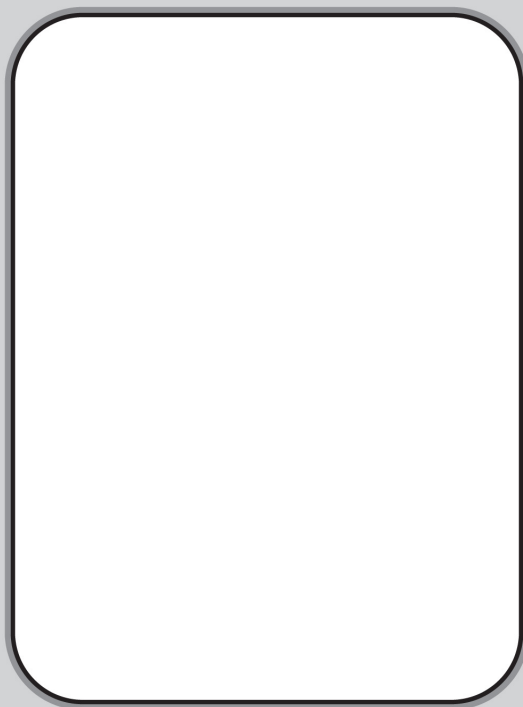
VMT PERCENTAGE CHANGE



Of downtown regions, **NYC's Business District** saw the largest relative increase in VMT, up **15%**

Data and Visuals sourced from [StreetLight](#)

EXIT



Questions, feedback, or have a topic you would like to know more about? Please reach out to isaac.sonnenfeldt@rebelgroup.com

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