

Trends in Transit

From a Valley Metro Perspective



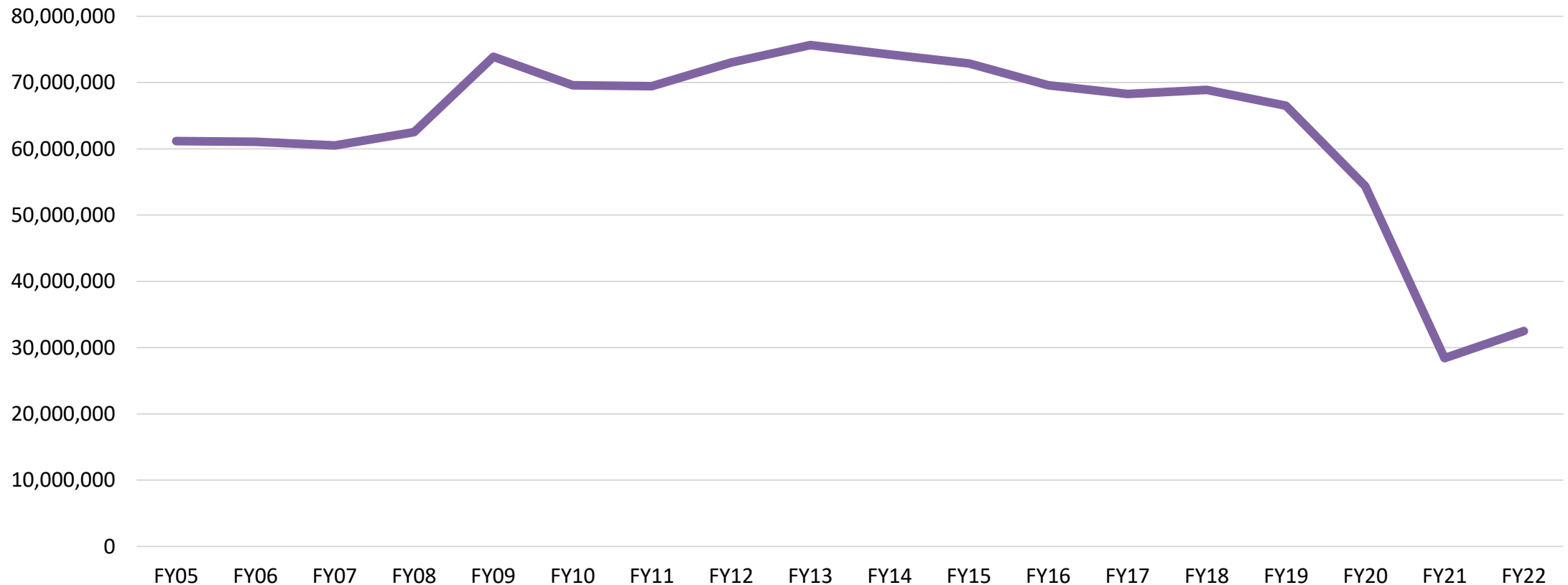
Covid Ridership Decline and Partial Recovery

- Ridership has not recovered even as Vehicle Miles Traveled have exceeded Pre-Pandemic levels
- Long-term travel trends impacting transit
 - Teleworking & hybrid work schedule
 - Remote school
 - Smoother travel peaks
 - Accelerating sprawl
- Workforce Shortages
 - Missed service

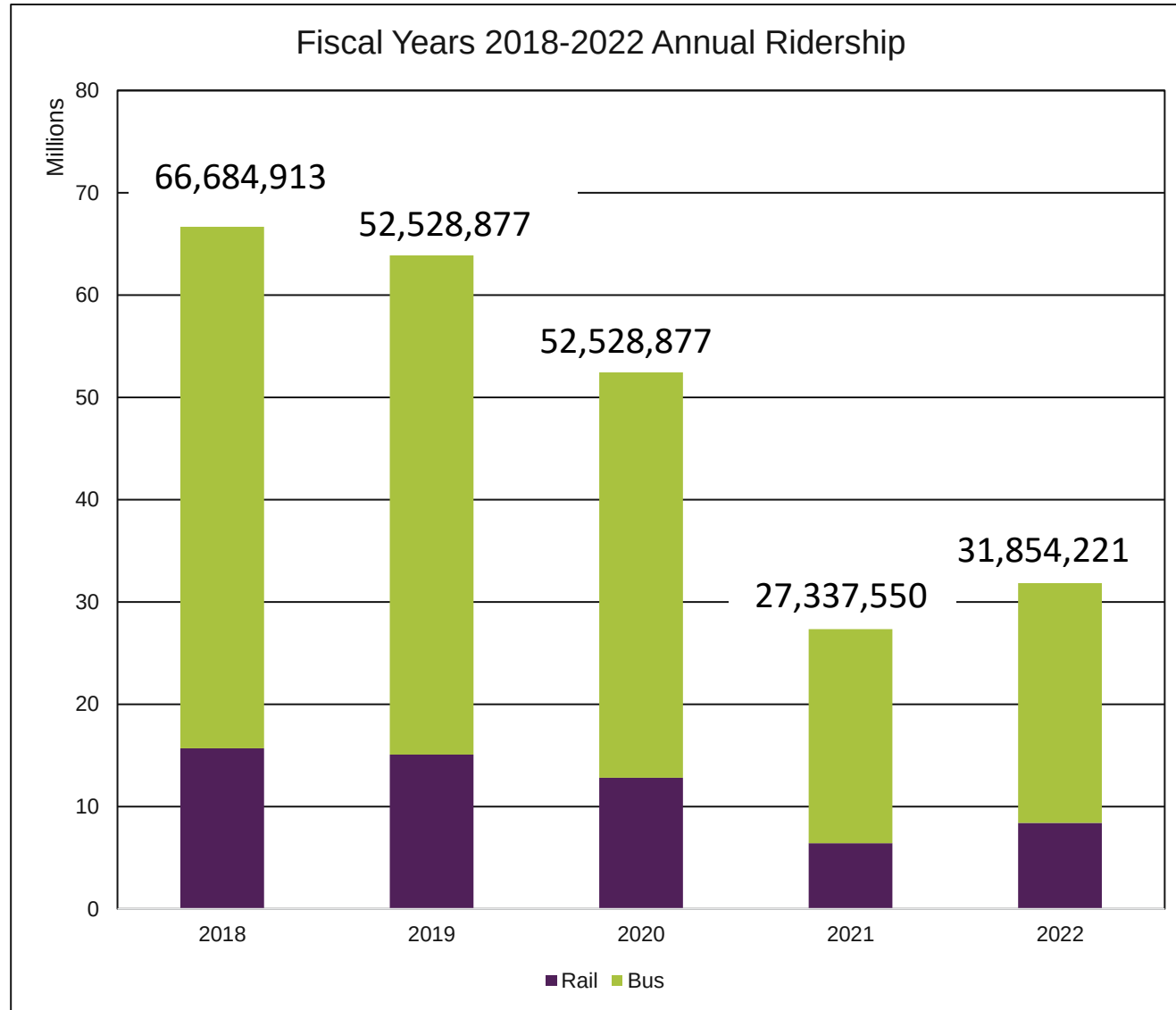
All Modes Historical Trends



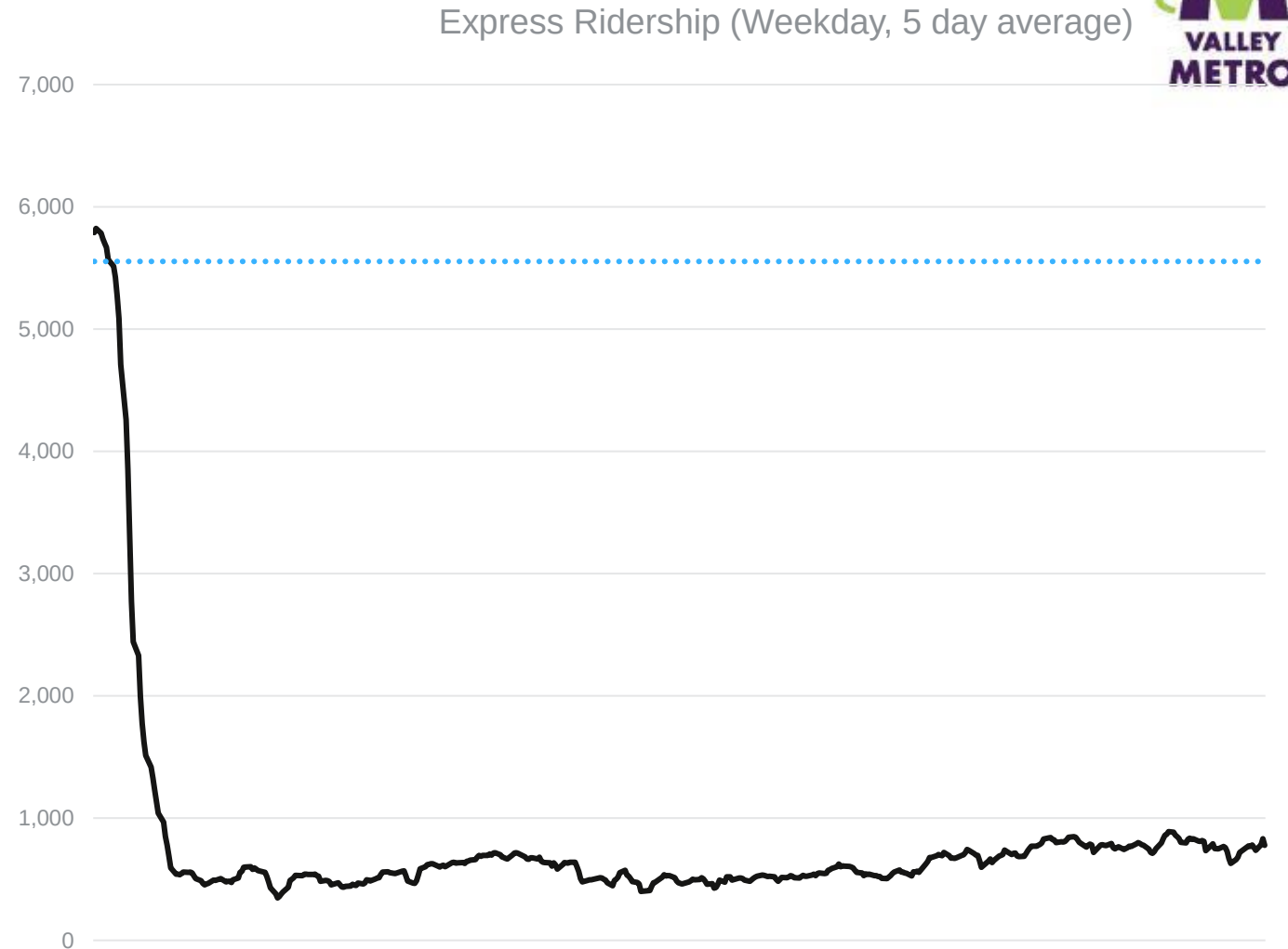
Ridership



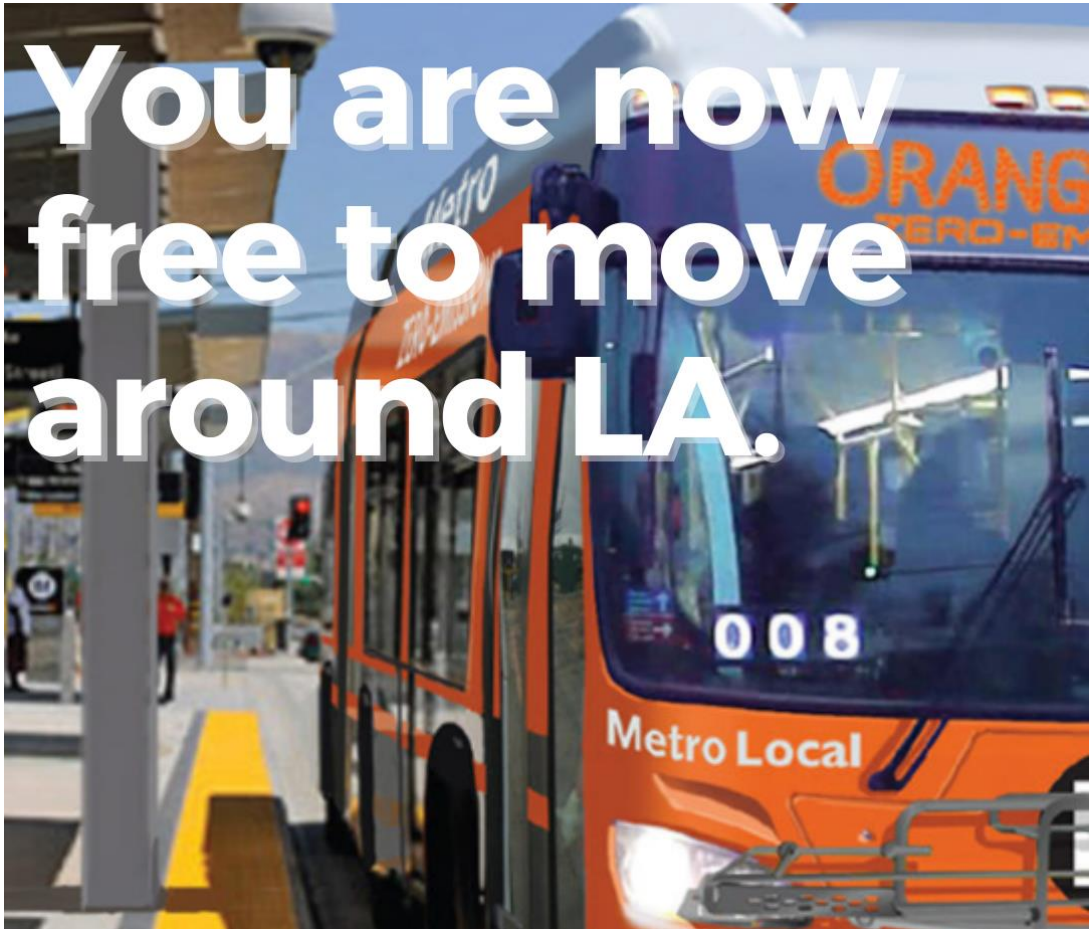
Transit Ridership



Regional Pandemic Era Ridership Commuter Express



Improving Service Quality and Affordability



- Free and Reduced Fare Pilots (free fare populations, zones, days, routes, gamified free fare programs in app)
 - The **City of Detroit** partnered with area employers to provide subsidized transit to employees.
 - **San Diego MTS** worked with institutional partners, including school districts and universities, to distribute reduced fare cards for youth.
 - **Metra** coordinated a “Fair Transit” program with Pace, funded by Cook County, to reduce and integrate fares and increase service levels.
 - The **Regional Transportation Commission of Southern Nevada’s** “Try Transit” campaign is working with businesses to offer complimentary, seven-day passes.
 - **LA Metro** piloting fare free program for students through Grade 14, and looking to further expand to low-income population.

Improving Service Quality and Affordability

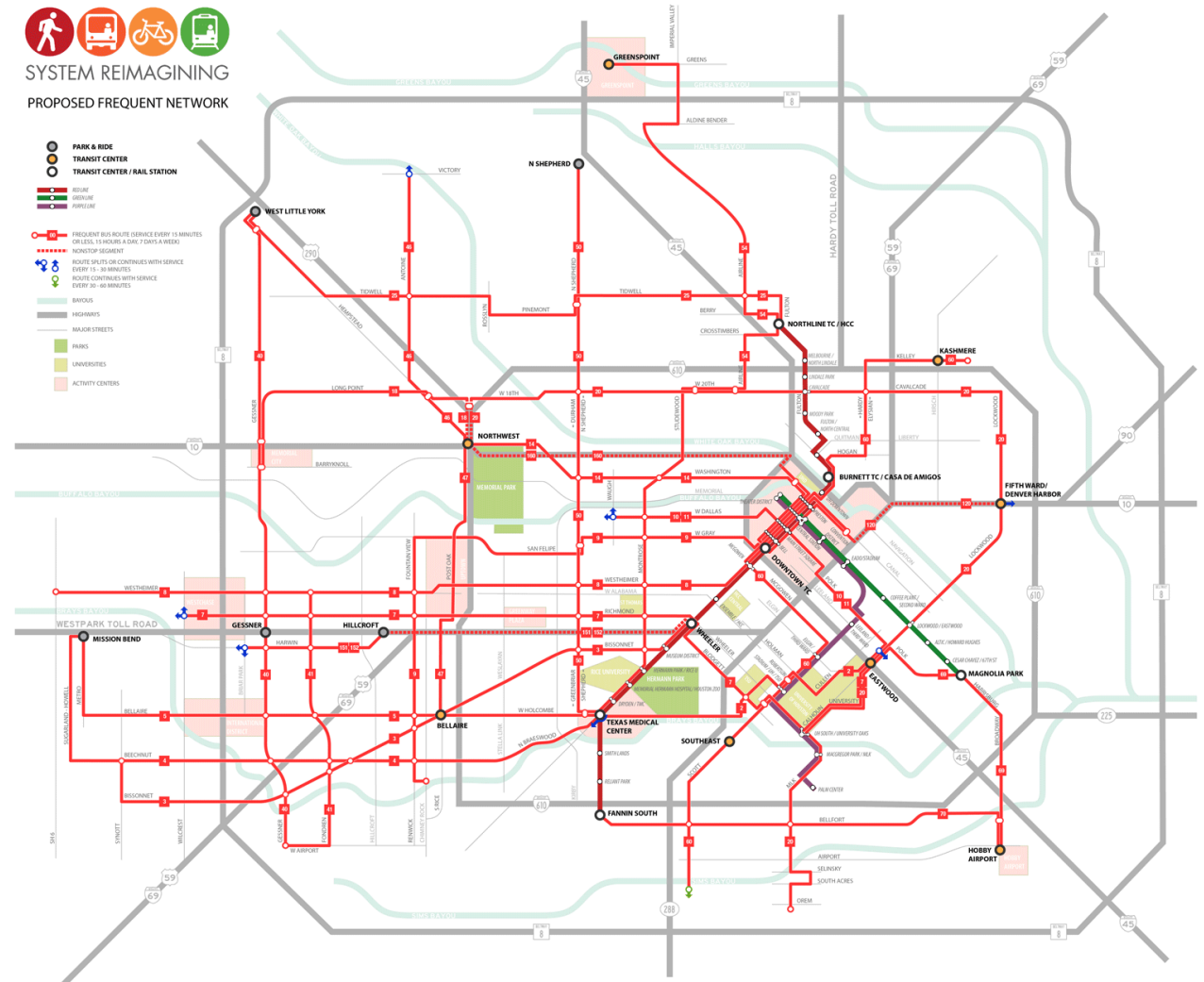


Speed and Reliability Implement Spot Improvements

- **San Francisco Municipal Transportation Agency (SFMTA)** installed temporary transit lanes so essential workers and transit-dependent passengers do not bear the cost of traffic congestion, while cutting travel times, improving reliability & increasing ridership.



- **Miami-Dade County** conducted a Better Bus Network comprehensive system design review using real-time passenger load information to address where riders were being left behind.
- **Kansas City Area Transportation Authority (KCATA)** redesigned system service around the people who need it the most, and where they need to go—ensuring transit access to schools, hospitals, grocery stores.



Reviewing and Adapting Network Design

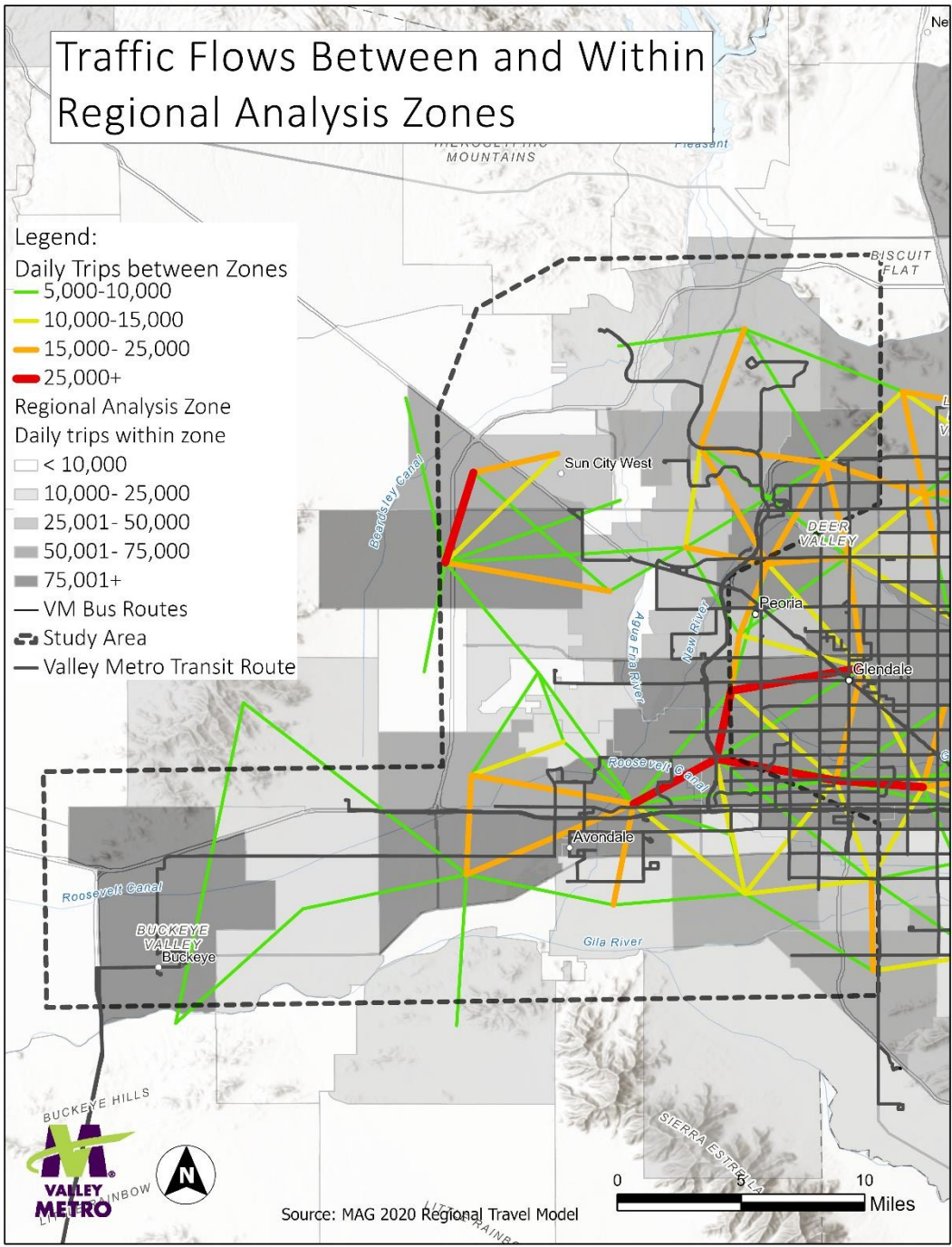
Incorporate more first/last mile flex route, on-demand services to feed regional fixed-route system

- **Miami-Dade County DPW** implemented a “GO Nightly” program, which allows riders, through third-party services like Uber or Lyft to get to and from work during late-night hours.
- **LA Metro & DART** have initiated over 100 sq. mi. of microtransit service over the past few years



Traffic Flows Between and Within Regional Analysis Zones

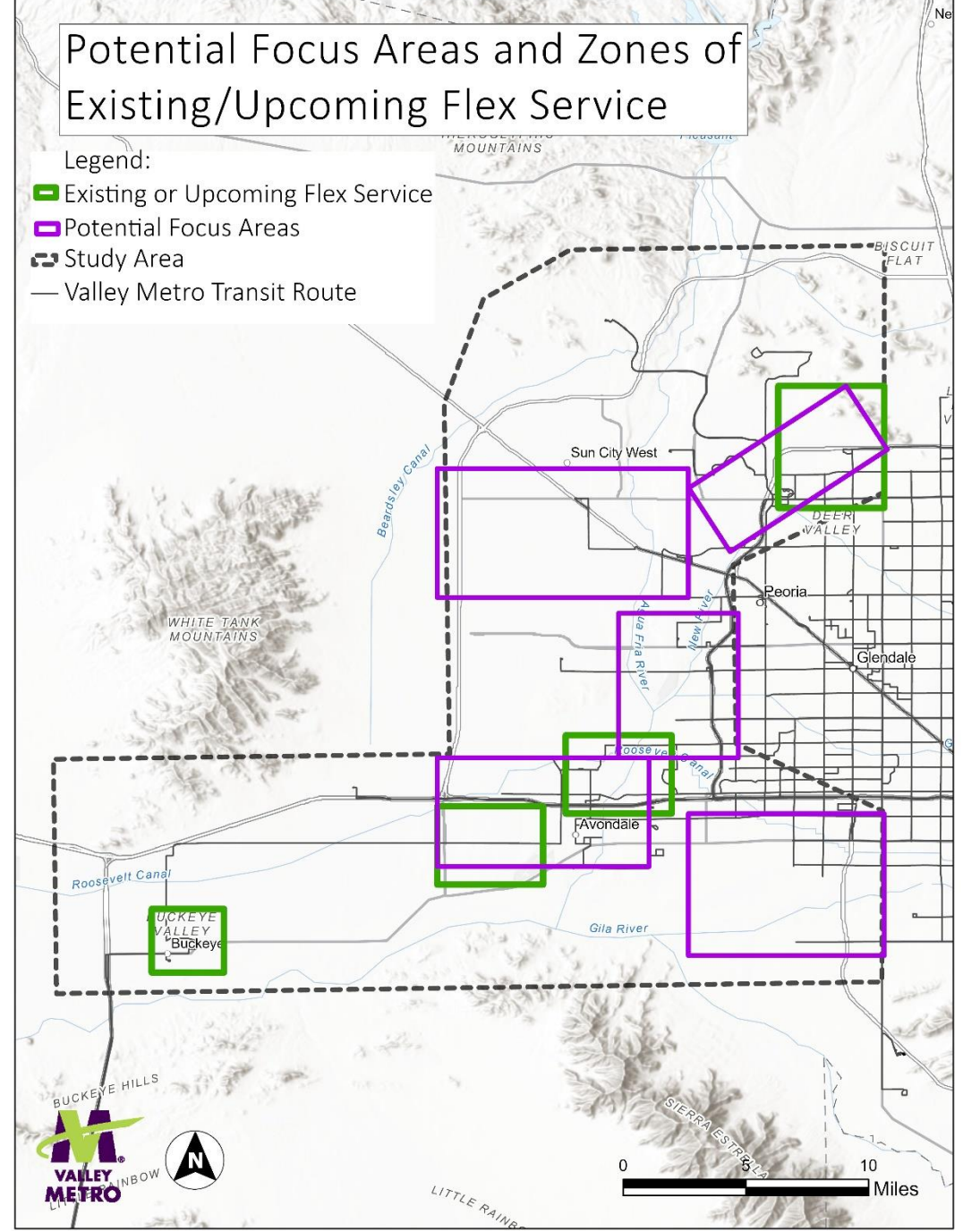
- Legend:
- Daily Trips between Zones
- 5,000-10,000
 - 10,000-15,000
 - 15,000- 25,000
 - 25,000+
- Regional Analysis Zone
- Daily trips within zone
- < 10,000
 - 10,000- 25,000
 - 25,001- 50,000
 - 50,001- 75,000
 - 75,001+
- VM Bus Routes
- Study Area
- Valley Metro Transit Route



Source: MAG 2020 Regional Travel Model

Potential Focus Areas and Zones of Existing/Upcoming Flex Service

- Legend:
- Existing or Upcoming Flex Service
 - Potential Focus Areas
 - Study Area
 - Valley Metro Transit Route



0 10 Miles

New Tools and Opportunities



New ways to use data

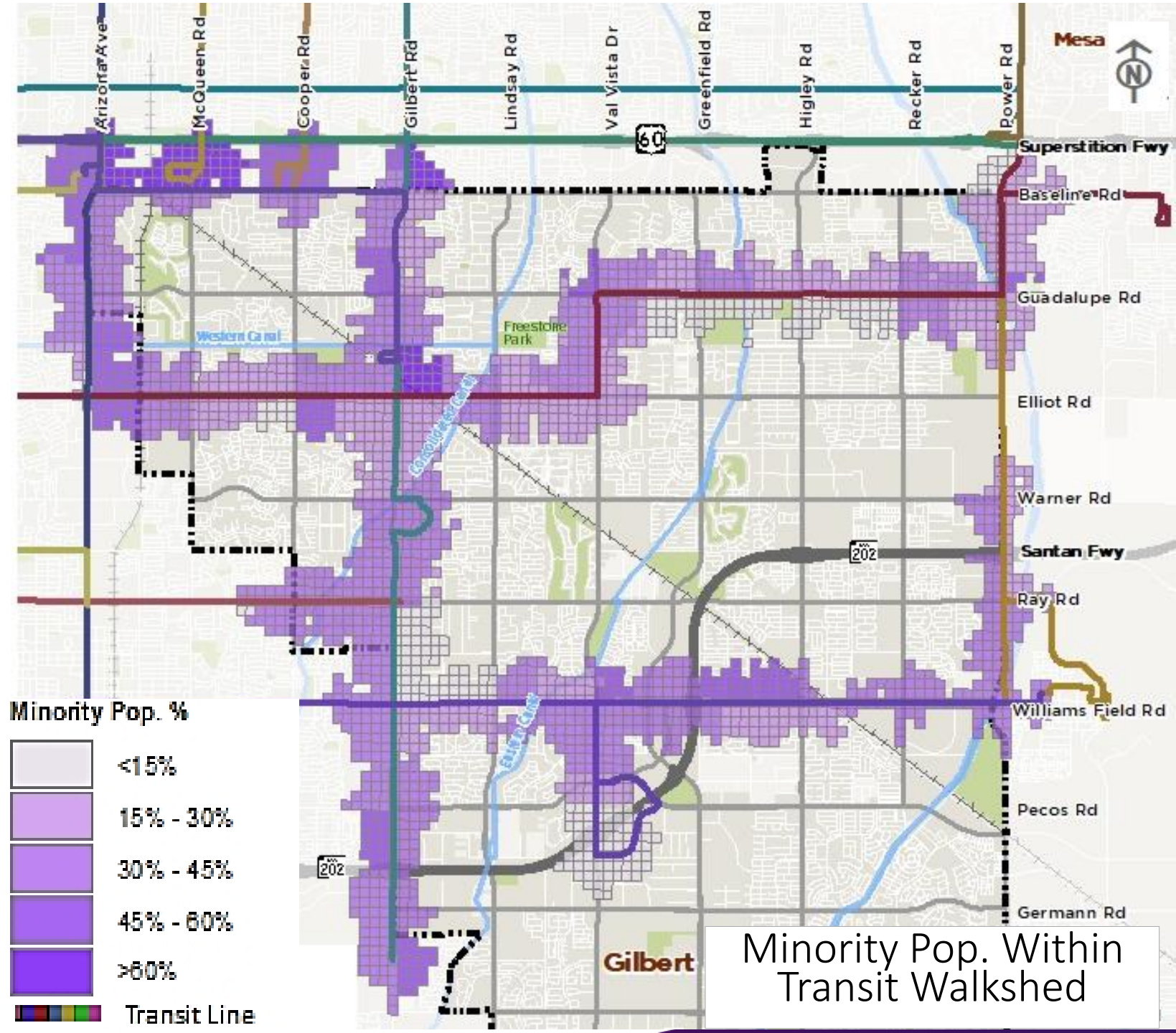
- Greater accessibility of data sources
- Easier applications off the shelf
- Custom applications
- Real Time

Additional data sources

- Remote Sensing
- Drones
- Cell phone probe data

Visualizing Transit Access and Neighborhood Demographics

CAS Application -
Generate **customized transit walkshed** for visualizing transit access, low-income and minority populations.



ZOOM Vs Estrella Vista Drop-Off Line



Questions?

Thank you

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