

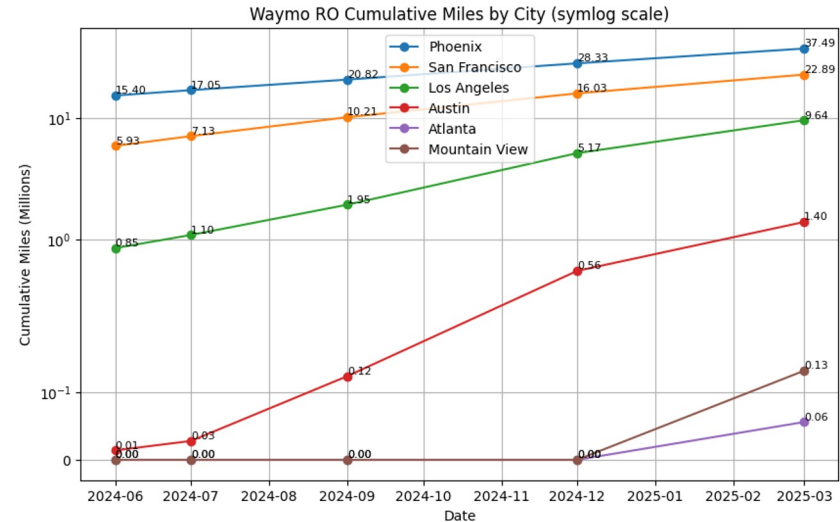
LA28 – Risk-Based AV Deployment Concept

- **Motivation:** Manage the surge in LA28 travel demand and public scrutiny by using a risk-based approach to decide where and how AVs should operate.
- **Goal:** Use the GIRS CoE AV safety framework and existing AV data (Waymo, NHTSA SGO, DMV) to design a corridor-level AV deployment concept linking venues, the athletes' village, and major hotel/tourist clusters
- **Outcomes:** A shortlist of candidate AV corridors with defined ODD guardrails, a minimal data and reporting package for LA28 AV operators, and a scoped next-phase work plan to make the deployment concept actionable by 2028.

LA28 – Data & Corridors

- **Corridor focus**
 - Venues ↔ athletes' village
 - Venues ↔ major hotel / tourist / transit hubs
- **AV safety data we can use**
 - Waymo + NHTSA SGO crashes with approximate **location fields**
 - DMV AV **disengagement and collision** data with conditions + narratives
- **City data to add**
 - LA crash / injury data by corridor & intersection
 - Expected LA28 demand along those corridors
- **Idea: rank corridors by baseline risk + AV performance to flag green / yellow / red AV zones**

| | | | | | |
|--------------------------------|---|---------|--|-------------------|--------------------|
| Incident Date | The date the crash occurred. | Date | MM/DD/YYYY where MM is the month, DD is the day, and YYYY is the year. | September 7, 2024 | N/A |
| Location Address / Description | The description of the location of the crash. | String | Examples are descriptions of cross streets, addresses, or other locations. | September 7, 2024 | N/A |
| Zip Code | The zip code of the location of the crash. | Integer | 5-digit zip code. Blank indicates missing value. Zip code is not reported for events reported after June 2025. | September 7, 2024 | September 16, 2025 |



Note: cumulative since Sept 2021

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...      Location  Crash Count
0         AUSTIN         25
1    LOS_ANGELES       124
2  MOUNTAIN_VIEW         2
3         PHOENIX       258
4    SAN_FRANCISCO      419

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LA28- Prospective Timeline

Phase 1 – Scoping & baselines (near term)

- Map candidate LA28 corridors; build human-driven crash baselines and demand profiles.



Phase 2 – AV data integration (mid term)

- Overlay Waymo / SGO / DMV AV data on those corridors.
- Identify safer vs higher-risk operating envelopes (time of day, weather, VRU hotspots).



Phase 3 – Deployment concept (pre-Games)

- Propose ODD guardrails + data/reporting package for AV operators.
- Sketch a simple monitoring dashboard concept for during the Games.