Connecting Orange County to LAX: Evaluating Transportation Options

Orange County Grand Jury 2025-2026

TABLE OF CONTENTS

SUMMARY 5
BACKGROUND 6
REASON FOR STUDY 14
METHOD OF STUDY 15
INVESTIGATION AND ANALYSIS 15
FINDINGS 26
RECOMMENDATIONS 27
COMMENDATIONS 29
REQUIRED RESPONSES 30
Glossary and Acronyms 33
Bibliography 34
Appendix A 40
Appendix B 42
Appendix C 44
Appendix D 45

TABLES

Table 1 Airport Transportation Options to/from Irvine and LAX 19
Table 2 Public Transportation Routes from Irvine* to LAX 20
Table 3 LAX Traffic Comparison for September 2025 40
Table 4 LAX Ground Transportation Monthly Report for September 2025 41
Table 5 Weekday FlyAway®-to-Metrolink/Amtrak Route with Average Travel Time of Two Hours and 15 Minutes and Average Wait Time of 38 Minutes 45
Table 6 Weekday FlyAway®-to-Metrolink/Amtrak Route with FlyAway® Bus Arriving Five Minutes Early Reduces Average Travel Time by 23 Minutes 46
Table 7 Weekend FlyAway®-to-Metrolink/Amtrak Route with Average Travel Time of Two Hours and 15 Minutes and Average Wait Time of 38 Minutes 47

Table 8 Weekend FlyAway®-to-Metrolink/Amtrak Route with FlyAway® Bus Arriving Five Minutes Early Reduces Average Travel Time by 21 Minutes 48
Table 9 Weekday LA Metro C Line-to-Metrolink/Amtrak Route with Average Travel Time of Two and a Half Hours and Average Wait Time of 54 Minutes 49
Table 10 Weekend LA Metro C Line-to-Metrolink/Amtrak Route with Last Departure from LAX at 3:40 PM and Average Travel Time in Excess of Three Hours 50
Table 11 Weekday Metrolink/Amtrak-to-FlyAway® Route with Average Travel Time of One Hour and a 48 Minutes and Average Wait Time of only Seven Minutes . 51
Table 12 Weekend Metrolink/Amtrak-to-FlyAway® Route with Average Travel Time of One Hour and a 52 Minutes and Average Wait Time of only Ten Minutes .. 52
Table 13 Weekday Metrolink/Amtrak-to-LA Metro C Line Route with Average Travel Time of One Hour and 47 Minutes but only One Train during Mid-Day 53
Table 14 Weekend Metrolink/Amtrak-to-LA Metro C Line Route with Earliest Arrival to LAX at 11:45 AM and Average Travel Time of Two Hours and Eight Minutes. 53
Table 15 Comparison of Transit Routes from Irvine to LAX 54
Table 16 Comparison of Transit Routes from LAX to Irvine 54

FIGURES

Figure 1 LA Metro Rail and Busway Network 10
Figure 2 Metrolink Regional Rail System Map 11
Figure 3 LOSSAN Corridor Map 12
Figure 4 LAX Annual Passenger Traffic – Historical Data and Forecast 16
Figure 5 Automated People Mover Map from LAX Central Terminals to Rental Car Facility 17
Figure 6 LAX Vehicle Access Policy Post-Automated People Mover 18
Figure 7 Metrolink Systemwide Ridership 42
Figure 8 Peak/Off-Peak Ridership Analysis 43

SUMMARY

The Orange County Grand Jury (Grand Jury) conducted a study to assess current travel options between Orange County and Los Angeles International Airport (LAX). The study evaluated available services, travel times, costs, and service gaps through interviews, document reviews, field research, and evaluation of public complaints. The Grand Jury determined that although a reasonably affordable and reliable public transportation option to LAX already exists, significant opportunities remain to improve travel efficiency for Orange County residents. The Grand Jury identified five Orange County locations for potential direct-to-LAX transportation services that could reduce trip times to LAX by 30 minutes or more, reduce traffic congestion and vehicle emissions, and potentially reduce transportation costs to LAX.

A substantial share of Orange County travelers continues to rely on LAX despite the proximity of John Wayne Airport (SNA). While SNA serves roughly 11.8 million passengers annually, an estimated 9.9 million Orange County travelers choose LAX each year for generally lower airfares, more international destinations, and greater availability of nonstop domestic routes. Orange County travelers use both SNA and LAX, but use of public transportation to both SNA and LAX is extremely low. Most passengers still depend on private vehicles and ride hailing services, which worsen roadway congestion and increase emissions.

The Grand Jury analyzed ten different transportation options, ranging from personal vehicles and ride-hailing services to combinations of Metrolink, Amtrak, LA Metro rail, and shuttle buses. Costs and travel times varied widely: the least expensive options, such as Metrolink combined with LA Metro light rail, generally involved the longest travel times, while premium private car services offered the fastest and most convenient—but highest cost—experience. Each option presented distinct advantages and disadvantages. Among the public transit options evaluated, the Metrolink or Amtrak connection to the FlyAway® bus proved the most reliable, with typical travel times under two hours.

Although federal regulations prohibit the Orange County Transportation Authority (OCTA) from operating a direct bus route to a single destination, OCTA plays a critical role in shaping regional transit. As the operator of transit centers and a member agency of Metrolink, OCTA has substantial influence over potential improvements to LAX - bound transportation for Orange County residents.

The FlyAway® bus service, operated by Los Angeles World Airports (LAWA), already provides direct, frequent, and efficient service from Union Station and Van Nuys to LAX.

Large-scale LAX improvement projects, including the Automated People Mover (APM), Intermodal Transportation Facilities, and roadway upgrades, are expected to further enhance airport access, ease congestion, and reduce emissions.

The Grand Jury identified five viable Orange County candidate sites for future FlyAway® or similar direct-to-LAX transportation services:

- Anaheim Regional Transportation Intermodal Center (ARTIC)
- Irvine Transportation Center
- Fullerton Park & Ride and Orangethorpe Transit Village Conceptual Study
- The Village at Buena Park Mall (transit-oriented development)
- Bolsa Pacific at Westminster (transit-oriented development at the former Westminster Mall)

Establishing service from these locations could reduce trip times to LAX by 30 minutes or more, reduce traffic congestion and vehicle emissions, and potentially reduce overall transportation costs to LAX.

BACKGROUND

Orange County Residents Use SNA and LAX

John Wayne Airport offers limited international service and fewer direct domestic routes compared to other major southern California airports. For many airline destinations, LAX remains the primary gateway to domestic and international travel for Orange County residents. Historically, travel from Orange County to Los Angeles for work or to reach LAX for travel has relied heavily on personal vehicles that cause traffic congestion and increase vehicle emissions, and public transportation options remain limited. Since 2014, traveler behavior and transportation patterns in Orange County have shifted as indicated by the following summary statistics:[1]

- Orange County is the sixth most populous county in the United States with 3.175 million inhabitants, and its population has fluctuated by less than 44,000 people over the past 10 years.
- Households without cars increased from <2% in 2014 to 5% in 2023.
- Solo car commuters decreased from 79% to 69% from 2014 to 2023.
- John Wayne Airport reported that a survey found that 55% of travelers fly for pleasure/leisure, 31% for business, and 14% for personal/other reasons.

[1] Orange County Transportation Authority, *2024 OCTA Transit Vision: Appendix A – State of OC Transit*, May 2025, https://www.octa.net/pdf/OCTV_AppendixA.pdf.

- SNA welcomed eleven million annual passengers in 2024.
- SNA operates under a legal cap of 11.8 million annual passengers through 2025, set by a 1985 noise abatement settlement. The cap increases to 12.5 million from 2026 through 2030.[2]
- Orange County is origin/destination for 13% of LAX passengers or 9.9 million travelers in 2024.
- Anaheim (zip code 92802) is the top Orange County origin/destination for LAX passengers, many staying in hotels near Disneyland.
- LAX ground transportation statistics for September 2025 show only 0.2% of vehicle traffic to LAX were FlyAway® buses.

Each day, an average of 90,000 vehicles enter or exit LAX, including those used for passenger drop-offs and pickups, rental cars, taxis, rideshares, and airport staff transportation.[3] LAX ground transportation statistics are available on the Los Angeles World Airports website. From January 2025 to September 2025, LAX has recorded passenger traffic totaling 55,451,401 passengers, which is an average daily visitation rate of 203,119 passengers.[4] Monthly statistics for LAX air traffic and ground transportation in September 2025 are provided in Appendix A**Error! Reference source not found.**.[5]

- Personal private vehicles and transportation network companies (TNCs) comprised approximately 85 percent of LAX's pickups and drop-offs. TNCs are businesses that provide on-demand ride services through digital platforms.
- Approximately one percent of LAX passengers use public transit.

Southern California Association of Governments

The Southern California Association of Governments (SCAG) plays a key role in regional transportation planning. SCAG serves as the Metropolitan Planning Organization (MPO) for six counties, including Orange and Los Angeles. Its core planning document in transportation planning is the Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), which provides a 20-year multimodal vision updated every four years. SCAG's Aviation Program focuses on:

[2] Still Protecting Our Newport (SPON), *John Wayne Airport*, Accessed November 1, 2025, https://spon-newportbeach.org/John-Wayne-Airport.html.
[3] Los Angeles World Airports, *Monthly Ground Transportation Traffic Statistics*, Accessed November 1, 2025, https://www.lawa.org/lawa-investor-relations/statistics-for-lax/ground-transportation-traffic-statistics.
[4] Los Angeles World Airports, *Volume of Air Traffic*, Accessed November 1, 2025, https://www.lawa.org/lawa-investor-relations/statistics-for-lax/volume-of-air-traffic.
[5] See Appendix A, Tables 3 and 4.

- Airport ground access planning
- Collaboration with LAX, the Federal Aviation Administration (FAA), and Caltrans Division of Aeronautics
- Data collection and forecasting for airport-related travel demand

SCAG works with key transit authorities and agencies like the OCTA, Los Angeles County Metropolitan Transportation Authority (LA Metro), and others across its six-county region to improve regional connectivity. SCAG's Corridor Planning Program identifies and enhances key transportation corridors, including those that could link Orange County transit centers to LAX. Projects from OCTA must be included in SCAG's RTP/SCS to qualify for state and federal funding. This includes potential FlyAway®-style services that would not be precluded from consideration pursuant to the federal charter prohibition, Metrolink enhancements, or express bus pilots. Many of SCAG's reports provide historical context, including SCAG President's Report (2025),[6] SCAG Connect SoCal Final Report (2024),[7] SCAG Aviation & Ground Access Technical Report (2024),[8] SCAG Demographics & Growth Forecast Technical Report (2024),[9] 2024 OC Transit Vision Full Report (2025)[10] and Appendix A (2025).[11] SCAG has recently launched the SoCal Airport Access and Mobility Study,[12] a regional airport passenger and employee survey to better understand how people travel to and from southern California's airports. The study will analyze ground access patterns, preferences, and challenges for the purpose of informing planning for congestion relief, safety, and multimodal connectivity. The SoCal Airport Access and Mobility Study is scheduled to conclude by June 2027.

---

[6] Southern California Association of Governments, *2024–25 President's Report*, May 2025, https://scag.ca.gov/sites/default/files/2025-05/24-0022-2025GA-PresidentsReport_Final.pdf.
[7] Southern California Association of Governments, *Connect SoCal 2024: A Plan for Navigating to a Brighter Future*, Adopted April 4, 2024, https://scag.ca.gov/sites/default/files/2024-05/23-2987-connect-socal-2024-final-complete-040424.pdf.
[8] Southern California Association of Governments, *Connect SoCal 2024: Aviation & Airport Ground Access Technical Report*, Adopted April 4, 2024, https://scag.ca.gov/sites/default/files/2024-05/23-2987-tr-aviation-airport-ground-access-final-040424.pdf.
[9] Southern California Association of Governments, *Connect SoCal 2024: Demographics & Growth Forecast Technical Report*, Adopted April 4, 2024, https://scag.ca.gov/sites/default/files/2024-05/23-2987-tr-demographics-growth-forecast-final-040424.pdf.
[10] Orange County Transportation Authority, *2024 OC Transit Vision*, May 2025, https://www.octa.net/pdf/OCTV_FullReport.pdf.
[11] Orange County Transportation Authority, *2024 OC Transit Vision: Appendix A – State of OC Transit*, May 2025, https://www.octa.net/pdf/OCTV_AppendixA.pdf.
[12] Southern California Association of Governments, Aviation, *SoCal Airport Access and Mobility Study*, Accessed November 20, 2025, https://scag.ca.gov/aviation-program.

Orange County Transportation Authority

OCTA, established by county referendum in 1972, evolved from Santa Ana Transit, and began with five bus routes. Over time, OCTA consolidated smaller transit agencies across the County.

As Orange County's transportation planning commission, OCTA funds and implements transit and capital projects to support a balanced, sustainable transportation system. It oversees services and programs that impact the daily lives of 3.2 million residents across thirty-four cities, as well as commuters and visitors.

OCTA manages bus and rail transit, rideshare programs, environmental initiatives, active transportation, express lanes, and freeway improvements. Its mission is to deliver transportation solutions that enhance quality of life and keep Orange County moving.[13]

OCTA works with SCAG to ensure that Orange County's transportation priorities align with the larger regional plan. OCTA focuses on operating transit services, managing highways, and oversight of Metrolink. OCTA prioritizes local transportation projects and submits them to SCAG for inclusion in the overall regional plan. Memorandums of Understanding (MOUs) exist between the two agencies to define their respective roles and responsibilities and ensure coordination.

LA Metro

The Los Angeles Metro Rail system began operations on July 14, 1990, with the opening of the Blue Line which connected downtown Los Angeles to Long Beach. Since that time, LA Metro has steadily expanded the network into a comprehensive rail system that includes six lines serving over one hundred stations across Los Angeles County. LA Metro planners and engineers have strategically extended service into key regions, including the San Fernando Valley, the Westside, and the South Bay, with the objective of alleviating traffic congestion and promoting a sustainable alternative to automobile travel. The system's network of light rail and busway routes, illustrated in Figure 1, reflects LA Metro's commitment to enhancing regional mobility.

[13] Orange County Transportation Authority, *Connecting Orange County*, Accessed January 18, 2026, https://www.octa.net/about/about-octa/overview.

Source: metro.net

Figure 1 LA Metro Rail and Busway Network

Metrolink

Metrolink, launched in 1992, is the third-largest commuter rail network in the U.S., serving 67 stations across six counties. Operated by the Southern California Regional Rail Authority, a joint powers authority with leadership from Los Angeles, Orange, San Bernardino, Riverside and Ventura counties, Metrolink primarily connects regional commuters to downtown Los Angeles.[14]

Source: Metrolink

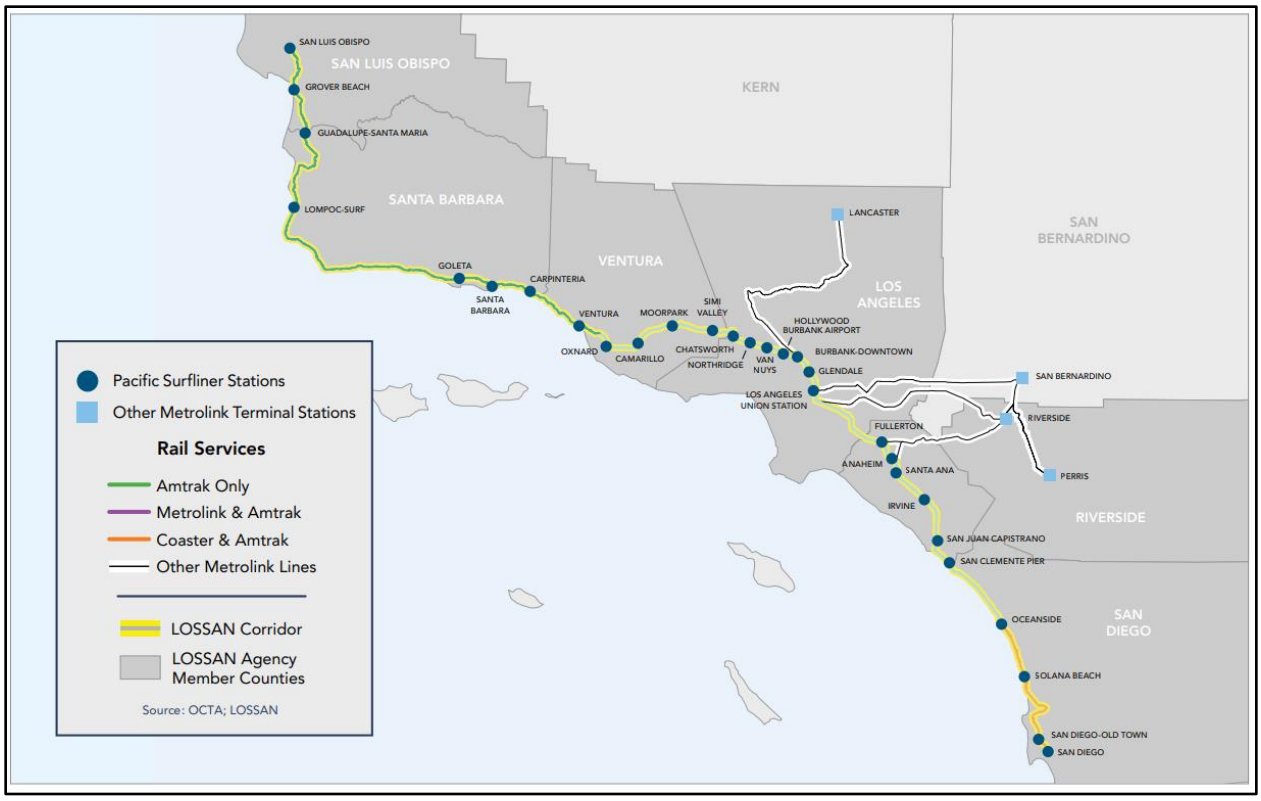
Figure 2 Metrolink Regional Rail System Map

Metrolink reported that recent ridership growth has been driven by off-peak travel, with over 140,000 boardings on the OC Line in April 2025 (see Appendix B). Since January 2025, off-peak ridership is increased 46% year-over-year, as shown in Appendix C. Metrolink is expanding its appeal to leisure travelers attending events, like a baseball game, or visiting attractions like Disneyland without the hassle of traffic and parking.[15]

[14] Liz Ohanesian, "Day Trip on a Budget Throughout Southern California with Metrolink," *Orange County Register*, September 9, 2025. https://www.ocregister.com/2025/09/09/day-trip-on-a-budget-throughout-southern-california-with-metrolink/.
[15] Liz Ohanesian, "Day Trip on a Budget," *Orange County Register*

Pacific Surfliner

Amtrak's Pacific Surfliner train runs along the 351-mile Los Angeles – San Diego – San Luis Obispo (LOSSAN) rail corridor, as shown in Figure 3. In Fiscal Year 2024-25 2.03 million passengers traveled the Pacific Surfliner. The LOSSAN Rail Corridor Agency, a joint powers authority composed of rail owners, operators, and planning agencies along the corridor, oversees service coordination and planning. Since July 2015, the agency has managed the Pacific Surfliner service under an interagency transfer agreement with the State of California. OCTA serves as the managing agency for the LOSSAN Agency.



Source: octa.net

Figure 3 LOSSAN Corridor Map

FlyAway® Bus

FlyAway® is an airport shuttle service providing non-stop connections to and from LAX and bus terminals near Van Nuys Airport and Los Angeles Union Station. Managed by LAWA and operated by Bus.com (9139249 Canada Inc.), a contracted bus provider, FlyAway® supports LAWA's initiative to reduce traffic congestion and emissions through high-occupancy transit. In 2024, LAWA reported over 1.9 million FlyAway® passengers with 1.1 million from Van Nuys and 0.8 million from Union Station.

Individuals traveling from Orange County to LAX must first either take Metrolink or Amtrak to Union Station, or drive there by car, where they transfer to a FlyAway® bus providing direct service to the airport. Unlike local transit services like OCTA, which operate fixed-route buses with multiple stops, FlyAway® buses provide nonstop service to LAX. LAWA operates FlyAway® under FAA guidelines, which restrict service to airport passengers and employees. Approximately 10% of FlyAway® riders are LAX workers. This restriction to airport passengers and employees ensures compliance with FAA regulations and maintains service efficiency.

FlyAway® routes cover twenty-two miles from Van Nuys and fourteen miles from Union Station to LAX. Despite the difference in distance, both routes offer similar travel times, typically 30 to 60 minutes, and maintain a bus frequency of every 30 minutes. The $12.75 fare closely aligns with the breakeven point for operating costs, in contrast to OCTA's farebox recovery rate of between 10% and 20% of operating expenses.

Between 2009 and 2012, FlyAway® operated a direct route from the Irvine Transportation Center to LAX, covering approximately fifty miles. Service commenced on November 16, 2009, providing for a 60-minute or more journey between LAX and the Irvine Transportation Center. Despite its convenience, the service faced several challenges, including a limited schedule of just six trips per day, a relatively high fare of $25, and low ridership. During Fiscal Years 2011–2012, the route averaged only forty-eight passengers per day and generated an annual operating loss of $382,337, equating to roughly $21.89 per passenger. These factors contributed to the route's discontinuation. Following the Chapter 11 bankruptcy filing of Coach America, the operator of the service, FlyAway® officially terminated the route on August 31, 2012.

Transit to John Wayne Airport and Other Airports

John Wayne Airport has approximately 32,000 visitors per day[16] and 174 airport employees arriving each day.[17] Most travelers at John Wayne Airport rely on personal vehicles and TNCs for their journeys. Those travelers heading to the Disneyland Resort area also use commercial shuttles and the Anaheim Transportation Network's (ATN) Everyone Ventures Everywhere (EVE) bus service to complete their trip. OCTA does not operate a direct transit link connecting John Wayne Airport to Metrolink. OC Bus 76, the only fixed-route service serving the airport, caters to airport staff and employees of nearby businesses. Between August 15 and September 15, 2025, OC Bus 76 averaged

[16] John Wayne Airport, "John Wayne Airport Posts September 2025 Statistics," News Releases, Accessed November 1, 2025, https://www.ocair.com/news/2025/10/22/statistics-september-2025/.
[17] John Wayne Airport, "Statistics," News & Info, Accessed November 1, 2025, https://www.ocair.com/about/news-info/statistics/.

just twenty daily riders, underscoring the difficulty of generating transit demand for airport-related trips.

The iShuttle 400A previously connected the Tustin Metrolink Station, John Wayne Airport, and the Irvine Business Complex (IBC). Operated jointly by the City of Irvine and OCTA, the shuttle aimed to reduce congestion and improve access to employment centers. It ran on weekdays during peak hours from October 13, 2019, until its cancellation on June 28, 2025, due to low ridership.

OCTA continues to assess its transit network through regular system studies, including OC Bus 360 (2016–2020), Making Better Connections (2022), and the OC Transit Vision (2024). An important focus of the 2024 OC Transit Vision is to identify potential high-capacity and rapid transit corridors. The OC Transit Vision report identified a potential long-term opportunity to explore an airport connection along the Bristol/State College corridor.

LAWA officials cited Boston and Minneapolis as having similar express bus and light rail services from metropolitan areas to major international airport terminals. These metropolitan areas are somewhat comparable to the multi-county metropolitan region served by LAX. In Boston, the Logan Express bus service operates from five locations in the Boston area to Logan International Airport with daily ridership of 6,850 passengers, system wide. Covering 23-miles, the Framingham, MA to Boston Logan route costs $9 per trip, operates every 30 minutes, and completes the journey in 35 to 45 minutes. The Minneapolis Metro Blue Line, a light rail service, connects Minneapolis International Airport to downtown Minneapolis and other locations like the Mall of America. The route is nine miles from the airport to downtown. The Blue Line light rail operates are every 12 minutes from Minneapolis International Airport with a fare of $2 to downtown. In 2025 Blue Line daily ridership averaged 15,300 passengers.

REASON FOR STUDY

The overall purpose of this study was to evaluate current and future in-progress travel options between Orange County and LAX. John Wayne Airport accommodates approximately 11.8 million passengers annually, while an estimated 9.9 million Orange County residents travel through LAX. The grand jury report will serve several purposes including informing Orange County residents of available service options and associated time requirements as well as costs of the distinct options. In addition, the report will highlight service gaps and inefficiencies. Route and/or schedule enhancements or expansion opportunities will also be addressed. Finally, by promoting the use of public transportation, reduction of traffic congestion and vehicle emissions

will be realized. The goal of this report will be to identify specific public transportation options and identify and prioritize implementation of those options by evaluation of time requirements, costs, and schedule options.

METHOD OF STUDY

The Orange County Grand Jury investigated the transportation challenges that Orange County residents face when traveling to LAX to provide a clear and accurate assessment. The Grand Jury based its study on a comprehensive review of multiple sources, including interviews, public records, complaint letters submitted to the Grand Jury, and relevant news articles. Multiple independent sources corroborated and validated all facts, findings, and recommendations presented in the report.

- Interviewed several Orange County executives and senior staff directly involved in managing transportation systems connecting Orange County to LAX.
- Reviewed and analyzed key documents related to the investigation, including:
  - Metrolink operational overviews
  - Records from OCTA, Metrolink, LA World Airports, LA Metro, and the Norwalk Transportation System
- Examined news articles and publications relevant to the topic.
- Investigated the transportation concerns outlined in public complaint letters submitted to the Grand Jury.
- Conducted extensive internet research.
- Performed field investigations in which Grand Jury members rode Metrolink, Norwalk Transportation System Bus 4, and four LA Metro lines, and engaged with security personnel and staff at FlyAway® Bus, Union Station, Norwalk, and LAX Metro stations to directly observe and assess transportation conditions.

INVESTIGATION AND ANALYSIS

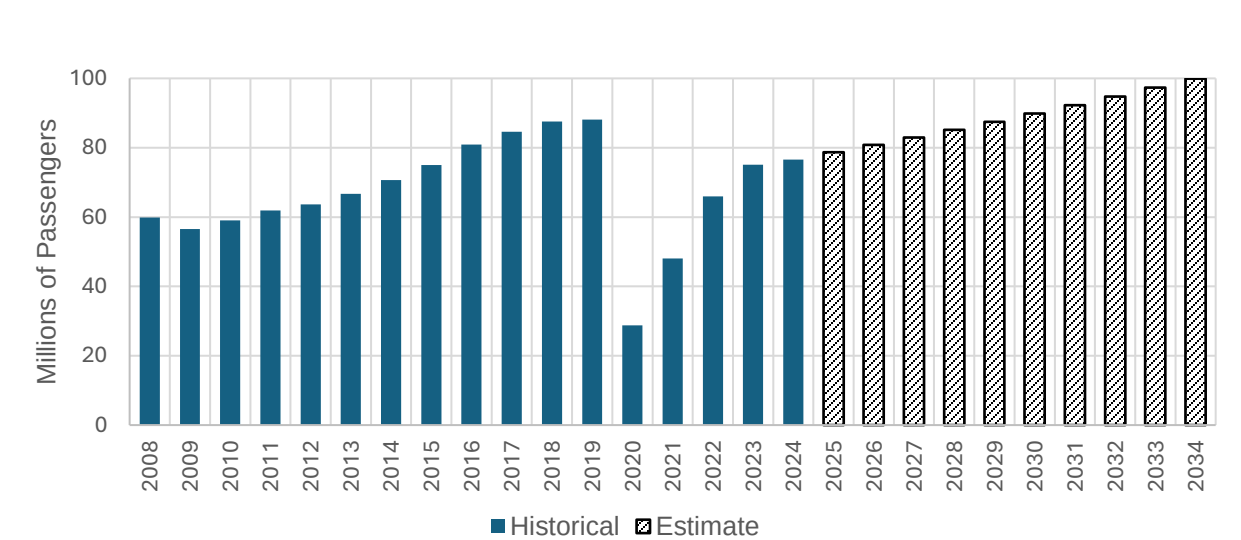
LAX Passenger Growth and Forecast

In 2024, LAX welcomed over 76.58 million travelers.[18] Although LAX dropped to the 5th busiest airport in the United States, partly due to ongoing construction and relatively high landing fees,[19] LAWA consultants conservatively project a compound annual

[18] Los Angeles World Airports, *10-Year Summary*, Accessed November 1, 2025, https://www.lawa.org/lawa-investor-relations/statistics-for-lax/10-year-summary/passengers.
[19] Howard Fine, "LAX Slips to 5th Busiest in the Nation," *Los Angeles Business Journal*, February 10, 2025, https://labusinessjournal.com/featured/lax-slips-to-5th-busiest-in-the-nation/.

growth rate (CAGR) of 2.7% in passenger traffic through Fiscal Year 2034.[20] At this pace, LAX could serve over 100 million travelers annually by 2034, representing a 30% increase from current levels and an additional 23.4 million travelers per year.

Figure 4 illustrates historical data for LAX passenger traffic between 2015 and 2024 and forecast estimates beyond 2024.



Source: LAWA 10 Year Passenger Summary and Forecast

Figure 4 LAX Annual Passenger Traffic – Historical Data and Forecast

LAX Capital Improvement Projects

To accommodate this growth, LAWA has completed or is nearing completion of several capital improvement projects as part of its Landside Access Modernization Program (LAMP) and Airfield & Terminal Modernization Project (ATMP).

- **Automated People Mover (APM):** A 2.25-mile elevated train connecting terminals, parking areas, the Consolidated Rent-A-Car (ConRAC) facility, and LAX/Metro Transit Center. It is expected to transport up to eighty-five million passengers annually.[21] APM is aimed at (1) reducing vehicle congestion near LAX, (2) providing efficient ground transportation, and (3) improving airport accessibility.

[20] Los Angeles World Airports, "LAX Capital Program Plan of Finance and Key Metrics," *LAWA Legislative Update*, March 13, 2025, https://www.lawa.org/sites/lawa/files/2025-03/3.%20Management%20Report%20C%20-%20Capital%20Finance%20Plan.pdf.
[21] M. Kubwa, "$2 Billion LAX's People Mover Completion Set for Late 2025," *Construction Review*, April 5, 2024, https://constructionreviewonline.com/construction-news/usa/2-billion-laxs-people-mover-completion-set-for-late-2025/.

- **ConRAC Facility**: A 6.3-million-square-foot facility housing over 18,000 rental vehicles. Its integration with APM will eliminate over 3,200 daily rental car shuttle trips from the LAX Central Terminal Area (CTA).[22]
- **Intermodal Transportation Facilities (ITF)**: Two facilities (ITF East and ITF West) offering parking, ground transportation services, and meet-and-greet areas.
- **ATMP Roadway Improvements Project**: Reconfigured roadways, including 4.4 miles of new infrastructure, are being constructed to reduce congestion on Sepulveda Boulevard and create dedicated airport access routes. Construction near Sepulveda Boulevard, 96th Street, and Century Avenue will continue through 2030.

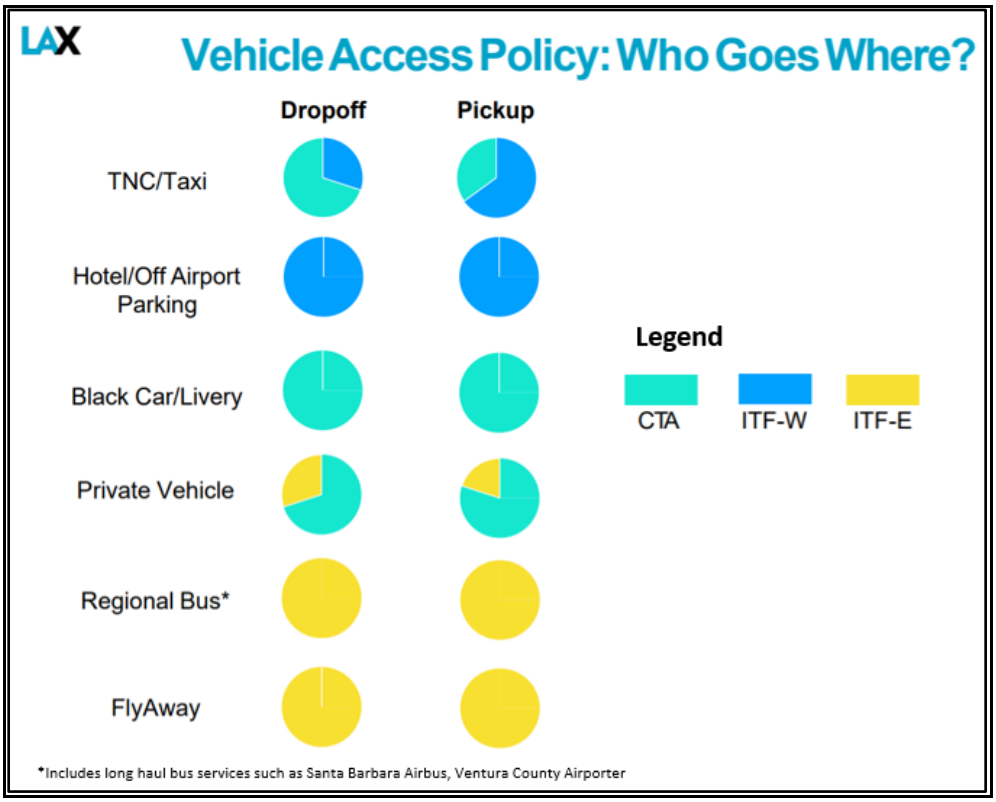
Completion of LAMP and ATMP projects will significantly alleviate traffic congestion and reduce long lines that plague LAX's current CTA. An aerial view in Figure 5 illustrates the scale of the APM.

Source: Gateway Los Angeles Airport Business District Official Website

Figure 5 Automated People Mover Map from LAX Central Terminals to Rental Car Facility

[22] Los Angeles World Airports, "Consolidated Rent-A-Car Facility," *Connecting LAX*, Accessed November 1, 2025, https://www.lawa.org/connectinglax/consolidated-rent-a-car-facility.

Figure 6 details vehicle access policy and categories of how shuttle and commercial bus pick-ups and drop-offs will occur at the Intermodal Transportation Facilities.



Source: LAWA Board of Airport Commissioners Management Report, August 3, 2023

Figure 6 LAX Vehicle Access Policy Post-Automated People Mover

LAWA officials consider the Union Station and Van Nuys routes ideal for FlyAway® service. Union Station offers convenient access to parking and multiple transit modes, enhancing connectivity for airport-bound travelers. With ongoing improvements under LAMP and ATMP, LAWA anticipates expanding service while reducing operational costs.

Transportation Options Between Orange County and LAX

The Grand Jury identified multiple transportation options between Orange County and LAX. Table 1 summarizes these options, including cost, travel time, and number of transfers. Estimated costs and travel time in Table 1 are based on a weekday one-way trip from Irvine, CA to LAX at 10:00 AM. Personal vehicle cost assumes a 50-mile distance between Irvine, CA and LAX, twenty-five miles per gallon, and $4.50 per gallon.

Table 1 Airport Transportation Options to/from Irvine and LAX

Option	Cost Estimate	Travel Time	Transfers	Pros	Cons
Get Dropped Off	$18	1:00	0	Simple, low cost, no parking hassle	Requires family/friend's time and availability
Drive Yourself	$9 + $30/day for economy parking	1:00	0	Full control over timing; easy access to car; predictable cost with reservation	Parking fees can be high; risk of car damage; traffic stress
Drive Yourself → LA Metro C Line (Norwalk Station) → APM	$7.15 + $3/day for parking	1:15	2	Full control over timing; predictable cost; low parking fees at Norwalk Station	Risk of car damage; traffic stress; addition planning for long-term parking
Transport Network Companies (Uber, Lyft, Opoli) → APM	$80–$150	1:00	0-1	Door-to-door convenience; no parking needed; customizable vehicle options	Surge pricing; availability varies; unpredictable costs
Metrolink → FlyAway® → APM	$23.75	1:44	2	Affordable; Amtrak ticket adds $8;	Longer travel time; limited schedule; variable fees for long-term parking
Metrolink → LA Metro → APM	$12.75	1:43	3–4	Cheapest option; Amtrak ticket adds $8; eco-friendly	Multiple transfers; long travel time; limited-service hours; variable fees for long-term parking
One-Way Car Rental → APM	$60	1:00	1	Flexible for visitors; option for SNA flights redirected to LAX; no return trip needed	Cost includes gas, rental, and drop-off fees; logistics of pickup/drop-off
Taxi → APM	$95–$200	1:00	1	Reliable; direct service	Expensive; metered fare can vary with traffic
Black Car/Executive Car	$160–$330	1:00	0	Luxury experience; flight tracking; stress-free	Expensive
Shuttle Bus → APM	$80-150	1:10	1	Cost-effective for groups; door-to-door; flight tracking	Longer travel time due to multiple stops; less privacy

Note: During peak commute times, travel time estimates for car and bus options could be an additional 30 minutes or more.

Public Transportation Options

Highlights of selected public transportation options from Orange County to LAX available after the opening of the APM are given in Table 2 with routes departing from the Irvine Metrolink Station to LAX and other public transit modes as noted. Currently, FlyAway® buses drop passengers off directly at the LAX Central Terminal Area (CTA), while LA Metro riders arriving at ITF East transfer to a LAX Shuttle bus to reach the CTA.

Table 2 Public Transportation Routes from Irvine to LAX*

Route	Travel Time	Transfers	Transfer Locations
Metrolink/Amtrak → FlyAway® Bus → APM	~1.9 hours	2	1. Union Station 2. ITF East
Metrolink → Norwalk Transit → Metro C Line → APM	~1.9 hours	3	1. Norwalk/Santa Fe Springs Station 2. Norwalk Station 3. ITF East
Metrolink/Amtrak → Metro Bus J Line → Metro C Line → APM	~2.2 hours	3	1. Union Station 2. Harbor Freeway Station 3. ITF East
Metrolink/Amtrak → Metro A → E → K Lines → APM	~2.1 hours	4	1. Union Station 2. Little Tokyo Station 3. Expo/Crenshaw Station 4. ITF East
OC Bus 83 → Metro Bus 460 → Metro C Line → APM	~3.2 hours From Laguna Hills Transportation Center	3	1. Disneyland East Shuttle Station 2. Norwalk Station 3. ITF East
OC Bus 70 → OC Bus 543 or 43 → Metro Bus 460 → Metro C Line → APM	~3.3 hours From Tustin Metrolink Station	4	1. Edinger Avenue & Harbor Blvd. 2. Disneyland East Shuttle Station 3. Norwalk Station 4. ITF East
OC Bus 529 → Metro Bus 460 → Metro C Line → APM	~2.4 hours From Goldenwest Transportation Center	3	1. Fullerton Park & Ride 2. Norwalk Station 3. ITF East

*Note: Starting locations other than Irvine Metrolink Station are identified.

Safety

The Grand Jury received letters from the public expressing concern about safety on public transportation. While LA Metro carries nearly one million passengers daily, the Los Angeles County Sheriff's Department, Transit Services Bureau recorded 537 crimes for the year on LA Metro buses and trains as of October 9, 2025, with battery, theft, aggravated assault, and robbery among the most frequent offenses.[23] In 2024, OCTA reported bus ridership at 34.8 million boardings and 314 Group A offenses, which are serious crimes such as assault, theft, and drug violations, reflecting a 15% decrease from 2023.

LA Metro continues to enhance its customer experience, with a February 2025 rider survey indicating that 87% of passengers are satisfied or very satisfied with the service. In the same survey, 53% of respondents reported noticeable improvements in the transit

[23] Los Angeles County Sheriff's Department, *Transit Services Bureau Weekly Report*, October 14, 2025, https://lasd.org/transit-services-bureau-weekly-report-68/.

system over the past year, primarily citing better service quality and increased safety.[24] Meanwhile, customer feedback consistently rates Metrolink, Amtrak, and FlyAway® services as reliable and safe.

LA Metro responded to safety concerns by implementing a layered security strategy that includes uniformed law enforcement officers, Metro Transit Security Officers, and Metro Ambassadors throughout the system. The agency upgraded station infrastructure with brighter lighting, expanded surveillance coverage, and taller fare gates to deter fare evasion and unauthorized access. LA Metro partners with county, city, and regional agencies to implement a care-based approach that delivers support and resources to individuals experiencing homelessness and those with untreated mental illness. After crime increased following the suspension of the Tap-to-Exit program, LA Metro reinstated the initiative and expanded weapons detection technology at key stations.[25] These measures reflect LA Metro's commitment to maintaining a secure and accessible transit environment.

Travelers who use the LA Metro C Line to reach LAX benefit from recent infrastructure upgrades and a continuous security presence at the LAX/Metro Transit Center. This facility connects the C and K Lines to the airport via a free shuttle service and, beginning in mid-2026, will offer direct access through the APM. Enhanced lighting, surveillance systems, and Americans with Disabilities Act (ADA) accessible facilities contribute to a safer experience for airport-bound passengers, especially during daytime and peak travel hours (6:00 AM–9:00 AM and 3:00 PM–7:00 PM).

Cost Analysis

Public transportation total fares from Orange County to LAX range from $9.50 to $35.75 depending on origin and route. Fare programs offer discounts for students, seniors, and disabled persons. For example, Metrolink Monthly Pass holders can ride the FlyAway® bus at no additional cost. Published regular fares that are shown below are from official websites as of September 12, 2025.

- **FlyAway®**: $12.75 (Union Station to LAX)
- **Metrolink**: $7.75–$13.50 (between Buena Park and San Clemente to Union Station)

---

[24] LA Metro, *LAX Metro Transit Center Opening Drives Dramatic Increase in Ridership on K Line*, Accessed November 2, 2025, https://www.metro.net/about/lax-metro-transit-center-opening-drives-dramatic-increase-in-ridership-on-k-line/#:~:text=Overall%20System%20Ridership%20and%20Experience,reasons%20cited%20for%20the%20improvement.

[25] Travis Schlepp, "What Happened After LA Metro Paused Its Tap-to-Exit Program," *KTLA*, September 15, 2025, https://ktla.com/news/travel/what-happened-after-la-metro-paused-its-tap-to-exit-program/.

- **Amtrak**: $14–$23 (between Buena Park and San Clemente to Union Station)
- **OC Bus**: $2 per boarding or $5/day
- **LA Metro**: $1.75 per trip with free transfers for two hours, $5 fare cap/day
- **Norwalk Transit**: $1.25 per boarding (Norwalk Metrolink to Norwalk C Line Station)

Parking fees vary at Metrolink/Amtrak stations across Orange County. Most stations provide free daily parking for up to 72 hours. Some stations located in high-demand urban areas require paid parking permits. At ARTIC, vehicles must be registered for overnight or Lot C parking at least 24 hours prior to parking. An overnight parking authorization form can be found on the Visit Anaheim website. Current parking guidelines and fees can be found on the Metrolink "Parking at Stations" website. FlyAway® bus patrons can use parking lots at Union Station and Vay Nuys, which have daily parking fees of $8/day and $6/day with a 30-day limit, respectively. Parking is $3/day and permitted overnight for seventy-two consecutive hours at the LA Metro C Line Norwalk Station. For longer stays, an Extended Permit Authorization Form must be submitted in advance to metroparking@joesautoparks.com. Parking at the Norwalk Station parking lot is free on weekends and holidays.

LA Metro commuters use a pre-paid TAP fare card for transportation fares and OC Bus commuters began using a pre-paid WAVE card in October 2025.

Schedule and Reliability

The Grand Jury examined published schedules (Appendix C) and route maps. Transit app, Apple Maps, and Google Maps confirmed real-time routes and travel times.

- **FlyAway®**: Runs every 30 minutes; 30-to-60-minute travel time varies day-to-day
- **LA Metro Rail**: Lines A, C, E, and K typically run every ~10 minutes; travel time depends on route
- **APM**: Runs every two minutes at peak usage; ~10-minute end-to-end travel time[26]
- **Metrolink/Amtrak**: Hourly weekday coverage; limited weekend Metrolink service
- **Norwalk Transit Buses 4 & 7**: ~30-minute weekday frequency; ~50-minute weekend frequency; Travel time is between 15 and 25 minutes, depending upon day, time of day, and direction of route

[26] Los Angeles World Airports, "Automated People Mover (APM) Train System," *The Development Group*, Accessed November 1, 2025, https://www.lawa.org/transforminglax/projects/automated-people-mover-train-system.

Based on published schedules, the Grand Jury found that the FlyAway® bus service from Union Station to LAX typically takes approximately 34 minutes under normal traffic conditions and is 10 to 20 minutes faster than LA Metro's light rail alternatives. However, during peak commuting times—such as 8:00 AM and 5:30 PM—the FlyAway® bus can take 60 minutes or more. Starting in early 2026, FlyAway® passengers will transfer at ITF East and use the Automated People Mover, rather than being dropped off or picked up at LAX's Central Terminal Area. According to LAWA officials, this change will improve the customer experience, improve bus queues, and reduce trip times.

FlyAway® buses operate every 30 minutes, while LA Metro light rail trains on the A, C, E, and K Lines typically run every 10 minutes. If a passenger misses a FlyAway® bus and opts for LA Metro instead, they may arrive at LAX's Central Terminal Area at the same time or up to 10 minutes earlier than the next FlyAway® bus.

The Grand Jury found that the Metrolink and Amtrak Pacific Surfliner schedules separately have gaps at the time of this report. However, together they provided hourly weekday service to and from Union Station. On weekdays, train service from Irvine, CA runs from 5:12 AM to 10:49 PM, with thirteen northbound Metrolink trips and twelve northbound Amtrak trips. A similar number of southbound trips depart Union Station daily. Amtrak Pacific Surfliner maintains the same schedule on weekends, while Metrolink reduces service to four northbound and four southbound trips each day. Starting in early 2026, Amtrak will be increase Pacific Surfliner service to thirteen daily trips.

Norwalk Transit System (NTS) Buses 4 and 7 connect the Metrolink Norwalk/Santa Fe Springs Station to the LA Metro C Line Norwalk Station, located 3.1 miles apart. Although weekend service is less frequent, both weekday and weekend schedules for Buses 4 and 7 align with the first and last Metrolink trains at Norwalk/Santa Fe Springs Station.

The Grand Jury learned that travelers can connect from the LA Metro C Line at its Norwalk Station to LA Metro Bus 460 to reach Disneyland. A trip from LAX to Disneyland takes approximately two hours. Passengers may transfer from Bus 460 to Orange County buses at Knott's Berry Farm, Fullerton Park & Ride, or Disneyland. This route offers a lower-cost alternative to Metrolink/Amtrak, though it requires more travel time.

The investigation identified the fastest public transit route from Irvine to LAX as the Metrolink or Amtrak connection to the FlyAway® bus at Union Station (see Appendix D). This route averages one hour and 48 minutes on weekdays, with the quickest connection taking one hour and 41 minutes in the afternoon. The return trip from LAX to

Irvine averages two hours and 15 minutes. Travel times for the FlyAway® bus can vary due to traffic congestion. The Grand Jury found that if FlyAway® buses arrived five minutes earlier at Union Station, travelers could catch the next Metrolink or Amtrak train departing at 10 and 40 minutes past the hour, reducing average travel time by 23 minutes.

An alternate route to LAX via Metrolink requires a transfer at the Norwalk/Santa Fe Springs Station to NTS Bus 4 or 7, followed by a connection to the Metro C Line. On weekdays, this trip averages approximately one hour and 47 minutes. On weekends, travel time exceeds two hours and eight minutes due to limited Metrolink service and the absence of Amtrak stops at the Norwalk/Santa Fe Springs Station. The return trip from LAX to Irvine via this route averages 2 hours and 30 minutes on weekdays and over 3 hours on weekends, primarily due to extended wait times for Metrolink trains. Weekend travelers face additional constraints, with the earliest possible arrival at LAX after 11:45 AM and final departure from LAX using this route at 3:40 PM.

Transit-Supportive Developments

There are transit-supportive and transit-oriented developments in Orange County that are approximately 25-miles from LAX and near a freeway include Fullerton Park and Ride, Buena Park Mall, and former Westminster Mall.

The Fullerton Park & Ride facility is the focus of a major planning initiative called the Orangethorpe Transit Village Conceptual Study, led by the Orange County Transportation Authority (OCTA) in partnership with the City of Fullerton. The study is exploring the potential for transit-supportive mixed-use development at the 9-acre Fullerton Park & Ride site, which is currently underutilized.

The Buena Park Downtown Mall is undergoing a major transit-oriented design transformation centered around the redevelopment of the former Sears property. Approved by the Buena Park City Council in June 2023, the Village at Buena Park is a $650 million mixed-use project led by Merlone Geier Partners. It will replace the old Sears building and adjacent parking lot with 1,302 apartments and townhomes, public space with walking paths, electric vehicle (EV) charging stations, bike racks, and 3,000 parking spaces.

The City of Westminster has approved the Westminster Mall Specific Plan (WMSP), which outlines a plan for converting the mall into a mixed-use development with 1,167 housing units, retail, hospitality, and public spaces with walking paths. Shopoff Realty Investments is leading this 26-acre redevelopment project, called Bolsa Pacific at Westminster. The project’s design and goals reflect principles of Transit-Oriented

Development (TOD), such as walkable streets, mixed-use buildings, higher residential density, and proximity to public transit. As for transit services, OC Bus 64 currently stops at bus only lane near the former Westminster Mall on Edwards Street near Bolsa Avenue.

ARTIC is co-located at the OC Vibe development, which has elements of transit-oriented design. While ARTIC is forty miles from LAX, ARTIC provides connectivity to Anaheim Resort Transportation (ART), Metrolink, Amtrak, OCTA buses, and Greyhound buses.

Barriers to Airport Transit Success

The Grand Jury identified several key barriers that hinder the success of airport transit services:

- **Time-sensitivity:** Air travelers are highly time-conscious. The risk of missing a flight makes reliability paramount, and many passengers prefer to maintain control over their schedule, often distrusting public transit reliability.
- **Convenience:** Public buses are frequently perceived as slow, infrequent, and indirect compared to driving or using transportation network companies (TNCs). Transfers and wait times at bus stops add stress and reduce appeal.
- **Luggage Limitations:** Transit vehicles are typically not designed to accommodate large or heavy luggage, making them less suitable for airport-bound passengers.
- **Travel Habits:** Historically, airport trips have been dominated by private vehicles and shuttle services. Public transit has not been the preferred mode for most travelers.

The Grand Jury concluded that the Metrolink or Amtrak connection to the FlyAway® bus from Union Station currently offers the most reliable public transit option between Orange County and LAX, with average travel times under two hours. Return trips from LAX to Irvine average two hours and 15 minutes. The Grand Jury found that adjusting FlyAway® bus arrival times at Union Station by five minutes would enable passengers to board earlier Metrolink or Amtrak trains, thereby reducing travel time from LAX to Orange County by 23 minutes. LAWA has an opportunity to revise FlyAway® bus departure schedules with the opening of ITF East in mid-2026.

Using LA Metro light rail instead of the FlyAway® bus adds 10 to 20 minutes to the journey from Union Station to LAX. Although the Norwalk/Santa Fe Springs shortcut may offer faster travel to LAX at certain times, limited Metrolink service results in return trips that are over 30 minutes longer than the FlyAway® route via Union Station.

Implementing direct FlyAway®-style bus service between LAX and Orange County would ease traffic congestion, lower greenhouse gas emissions, and significantly improve regional transit efficiency, cutting public transit travel times by 30 minutes or more. The Grand Jury identified several viable locations within Orange County for such a service. A comparative analysis of travel durations (see Table 1) underscores the time-saving potential of enhanced regional transit connectivity. LAWA's proven success with the FlyAway® program demonstrates that direct bus service can operate near the breakeven point, offering a practical and efficient solution for airport access.

Better Understanding Orange County's Needs

The Southern California Association of Governments (SCAG) has launched its SoCal Airport Access and Mobility Study, a regional airport passenger and employee survey to better understand how people travel to and from Southern California's airports.[27] The first stage of the study is analysis of existing conditions to document the region's airports, access facilities, and connecting transportation networks. This is the ideal opportunity for SCAG to engage with all Orange County cities to understand each city's transportation need for enhanced regional intermodal transit connectivity across various transit authorities and agencies and across county lines.

FINDINGS

In accordance with California Penal Code Sections 933 and 933.05, the 2025-2026 Orange County Grand Jury requires (or, as noted, requests) responses from each agency affected by the findings presented in this section. The responses are to be submitted to the Presiding Judge of the Superior Court.

Based on its investigation described herein, the 2025-2026 Orange County Grand Jury has arrived at the following six principal findings:

F1 Several Orange County locations meet the criteria for express bus pick-up sites, being approximately twenty-five miles from LAX and near major freeways. These locations are Fullerton Park & Ride, Buena Park Mall, and former Westminster Mall.

F2 The Anaheim Regional Transportation Intermodal Center presents a viable option for express bus service to LAX due to its location near Orange

[27] Southern California Association of Governments. *SoCal Airport Access and Mobility Study*. https://scag.ca.gov/aviation-program

County attractions and multimodal connectivity, despite being forty miles from LAX.

F3 The Irvine Transportation Center is a viable potential location for direct bus service to LAX due to its location near South Orange County, freeway access, and multimodal connectivity, despite being fifty miles from LAX.

F4 Public transit options to LAX that offer travel times comparable to private automobiles have several limitations.

- The Orange County Transportation Authority has never operated direct transit service to LAX due to federal regulations prohibiting transit bus service to a single destination such as LAX.
- Metrolink OC Line lacks direct connections to LAX, as stations such as Norwalk/Santa Fe Springs do not provide a seamless link to the airport.
- Southern California Association of Governments planning documents that discuss regional airport ground access neglect cross-county mobility challenges.

F5 Metrolink provides less frequent service on weekends. Weekend travel times often exceed three hours due to reduced train schedules and longer transfer wait times.

F6 Metrolink offers the most dependable connection at Union Station, linking travelers to bus and light rail services to LAX. These routes require transfers, and variable freeway conditions can affect overall travel times.

RECOMMENDATIONS

In accordance with California Penal Code Sections 933 and 933.05, the 2025-2026 Orange County Grand Jury requires (or, as noted, requests) responses from each agency affected by the recommendations presented in this section. The responses are to be submitted to the Presiding Judge of the Superior Court.

Based on its investigation described herein, the 2025-2026 Orange County Grand Jury makes the following eight recommendations:

R1 By September 30, 2026, the City of Fullerton should direct its Planning Department to collaborate with Orange County Transportation Authority (OCTA) and Los Angeles World Airports (LAWA) on a business case study for FlyAway® or similar services from Fullerton Park & Ride

(Orangethorpe Transit Village) to LAX, with a case study submitted to LAWA. This study should include projected ridership, financial sustainability, infrastructure readiness, and community benefits to support funding of the proposed service. [F1]

R2 By September 30, 2026, the Buena Park City Council should direct its Planning Department to collaborate with Los Angeles World Airports (LAWA) on a business case study for FlyAway® or similar services from the Buena Park Mall site (Village at Buena Park) to LAX, with a case study submitted to LAWA. This study should include projected ridership, financial sustainability, infrastructure readiness, and community benefits to support funding of the proposed service. [F1]

R3 By September 30, 2026, the Westminster City Council should direct its Planning Department to collaborate with Los Angeles World Airports (LAWA) on a business case study for FlyAway® or similar services from the former Westminster Mall site (Bolsa Pacific at Westminster) to LAX, with a case study submitted to LAWA. This study should include projected ridership, financial sustainability, infrastructure readiness, and community benefits to support funding of the proposed service. [F1]

R4 By September 30, 2026, the Anaheim City Council should direct its Planning Department to collaborate with Orange County Transportation Authority (OCTA) and Los Angeles World Airports (LAWA) on a business case study for FlyAway® or similar services from the Anaheim Regional Transit Intermodal Center to LAX, with a case study submitted to LAWA. This study should include projected ridership, financial sustainability, infrastructure readiness, and community benefits to support funding of the proposed service. [F2]

R5 By September 30, 2026, the Irvine City Council should direct its Transportation Department to review the previous FlyAway® service that ended in 2012, engage the LAWA Mobility Unit or any other express bus service of their choice, and, upon receiving City Council approval, submit a business case study to LAWA or other express bus service(s). This study should include projected ridership, financial sustainability, infrastructure readiness, and community benefits to support funding of the proposed service. [F3]

R6 By September 30, 2026, Southern California Association of Governments should reach out to all Orange County cities to engage and understand

each city's transportation need for enhancing regional intermodal transit connectivity across various transit authorities and agencies and across county lines. [F4]

R7 By March 31, 2026, Metrolink should increase Metrolink OC Line weekend train service to support public transportation trips from Orange County through Union Station to LAX. [F5]

R8 By June 30, 2026, OCTA and Metrolink should promote the appropriate services that offer convenient connections to LAX, aiming to inform and guide travelers who are ready to choose public transit for their airport commute. [F6]

COMMENDATIONS

Southern California cities have made commendable strides in addressing transportation challenges through innovative, community-responsive programs which exemplify proactive governance and sustainable urban planning.

One standout initiative is *Irvine CONNECT*, a free neighborhood shuttle service launched by the City of Irvine in response to resident concerns about traffic congestion and limited transit options. This program reflects a thoughtful and inclusive approach to mobility, connecting key destinations such as parks, schools, hospitals, and shopping centers with Irvine Station. Since its inception, Irvine CONNECT has expanded significantly—most notably in July 2025, when the city extended the Yale-Barranca route and introduced new routes like the Jamboree-UCI and Barranca Link. These expansions were based on data from the city's Transit Vision Study and community feedback, demonstrating Irvine's commitment to evidence-based planning and public engagement.

The program's success is evident in its ridership growth, with the original route serving nearly 150,000 rides in its first year. The city's decision to sunset the older iShuttle program and consolidate services under Irvine CONNECT further highlights its dedication to streamlining operations and improving service quality. With seventy-seven stops and shuttles running every 20 minutes, Irvine CONNECT offers an eco-friendly, accessible alternative to car travel, helping reduce emissions and traffic while enhancing connectivity across the city.

These efforts deserve recognition not only for their operational success but also for their responsiveness to community needs. Mayor Larry Agran praised the effort saying, "The No.1 complaint I hear from our city residents is about Irvine's traffic congestion. The

Irvine CONNECT shuttle is one way we are addressing that issue."[28] Irvine's leadership in expanding transit infrastructure, investing in capital improvements like new bus stops, and leveraging technology for real-time shuttle tracking sets a high standard for municipal transit innovation. Programs like Irvine CONNECT are a model for other cities seeking to build sustainable, resident-centered transportation networks. Orange County has launched several other commendable transportation programs that prioritize safety, sustainability, and regional connectivity. These initiatives reflect strong leadership and a commitment to improving mobility for residents and visitors alike.

REQUIRED RESPONSES

California Penal Code Section 933 requires the governing body of any public agency which the Grand Jury has reviewed, and about which it has issued a final report, to comment to the Presiding Judge of the Superior Court on the findings and recommendations pertaining to matters under the control of the governing body. Such comment shall be made no later than 90 days after the Grand Jury publishes its report (filed with the Clerk of the Court). Additionally, in the case of a report containing findings and recommendations pertaining to a department or agency headed by an elected County official (e.g., District Attorney, Sheriff, etc.), such elected County official shall comment on the findings and recommendations pertaining to the matters under that elected official's control within 60 days to the Presiding Judge with an information copy sent to the Board of Supervisors.

The following excerpts from the California Penal Code provide the requirements for public agencies to respond to the Findings and Recommendations of this Grand Jury report:

§933

(c) No later than 90 days after the grand jury submits a final report on the operations of any public agency subject to its reviewing authority, the governing body of the public agency shall comment to the presiding judge of the superior court on the findings and recommendations pertaining to matters under the control of the governing body, and every elected county officer or agency head for which the grand jury has responsibility pursuant to Section 914.1 shall comment within 60 days to the presiding judge of the superior court, with an information copy sent to the board of supervisors, on the findings and recommendations pertaining to matters under the control of that county officer or agency head and any agency or agencies which that officer or agency head supervises

[28] Irvine Community News & Views iMessage, (*Free Irvine CONNECT Shuttle Bus Has Expanded Routes,* 10/2/2025).

or controls. In any city and county, the mayor shall also comment on the findings and recommendations. All of these comments and reports shall forthwith be submitted to the presiding judge of the superior court who impaneled the grand jury. A copy of all responses to grand jury reports shall be placed on file with the clerk of the public agency and the office of the county clerk, or the mayor when applicable, and shall remain on file in those offices. One copy shall be placed on file with the applicable grand jury final report by, and in the control of the currently impaneled grand jury, where it shall be maintained for a minimum of five years.

§933.05.

(a) For purposes of subdivision (b) of Section 933, as to each grand jury finding, the responding person or entity shall indicate one of the following:

(1) The respondent agrees with the finding.

(2) The respondent disagrees wholly or partially with the finding, in which case the response shall specify the portion of the finding that is disputed and shall include an explanation of the reasons therefor.

(b) For purposes of subdivision (b) of Section 933, as to each grand jury recommendation, the responding person or entity shall report one of the following actions:

(1) The recommendation has been implemented, with a summary regarding the implemented action.

(2) The recommendation has not yet been implemented, but will be implemented in the future, with a timeframe for implementation.

(3) The recommendation requires further analysis, with an explanation and the scope and parameters of an analysis or study, and a timeframe for the matter to be prepared for discussion by the officer or head of the agency or department being investigated or reviewed, including the governing body of the public agency when applicable. This timeframe shall not exceed six months from the date of publication of the grand jury report.

(4) The recommendation will not be implemented because it is not warranted or is not reasonable, with an explanation therefor.

(c) However, if a finding or recommendation of the grand jury addresses budgetary or personnel matters of a county agency or department headed by an elected officer, both the agency or department head and the board of supervisors shall respond if requested by the grand jury, but the response of the board of supervisors shall address only those

budgetary or personnel matters over which it has some decision-making authority. The response of the elected agency or department head shall address all aspects of the findings or recommendations affecting his or her agency or department.

The Orange County Grand Jury requires the following responses:

City of Fullerton	90 Day Response Required
Findings:	F1
Recommendations:	R1
City of Buena Park	90 Day Response Required
Findings:	F1
Recommendations:	R2
City of Westminster	90 Day Response Required
Findings:	F1
Recommendations:	R3
City of Anaheim	90 Day Response Required
Findings:	F2
Recommendations:	R4
City of Irvine	90 Day Response Required
Findings:	F3
Recommendations:	R5
Orange County Transportation Authority	90 Day Response Required
Findings:	F1, F2, F4
Recommendations:	R1, R4, R8

Southern California Association of Governments	90 Day Response Required
Findings:	F4
Recommendations:	R6

Southern California Regional Rail Authority (as governing Board of Metrolink)	90 Day Response Required
Findings:	F4, F5, F6
Recommendations:	R7, R8

Glossary and Acronyms

Amtrak	American Track
ADA	Americans with Disabilities Act
APM	Automated People Mover
ART	Anaheim Resort Transportation
ATMP	Airfield & Terminal Modernization Project
ATN	Anaheim Transportation Network
CAGR	Compound Annual Growth Rate
Caltrans	California Department of Transportation
ConRAC	Consolidated Rent-A-Car
CTA	Central Terminal Area
EV	Electric Vehicle
EVE	Everyone Ventures Everywhere
FAA	Federal Aviation Administration
IBC	Irvine Business Complex
ITF	Intermodal Transportation Facility
JPA	Joint Powers Authority
LACMTA or LA Metro	Los Angeles County Metropolitan Transportation Authority
LAMP	Landside Access Modernization Program

LAWA	Los Angeles World Airports
LAX	Los Angeles International Airport
LOSSAN	Los Angeles – San Diego – San Luis Obispo
MOU	Memorandum of Understanding
MPO	Metropolitan Planning Organization
NTS	Norwalk Transit System
OC	Orange County
OCTA	Orange County Transportation Authority
RTP/SCS	Regional Transportation Plan/Sustainable Community Strategy
SCAG	Southern California Association of Governments
SNA	John Wayne Airport
TNC	Transportation Network Company
TOD	Transportation Oriented Development
WMSP	Westminster Mall Specific Plan

Bibliography

Amtrak. *The Amtrak App.* Accessed November 1, 2025. https://www.amtrak.com/app.

Anaheim Transportation Network (ATN). Accessed November 1, 2025. https://rideart.org/.

Anaheim Transportation Network. *A-Way WeGo*. Accessed November 1, 2025. https://rideart.org/awaywego-app/.

Animalia-Life. *New Metrolink Train*. [Cover page upper right image of Metrolink train]. Photograph. Accessed December 15, 2025. https://www.animalia-life.club/qa/pictures/new-metrolink-train.

Boston Logan. *Logan Express.* Accessed November 2, 2025. https://www.massport.com/logan-airport/getting-to-logan/logan-express

City of Irvine. *Irvine Shuttle.* Accessed November 1, 2025. https://cityofirvine.org/public-works-department/irvine-shuttle.

Discover Los Angeles. “The Landside Access Modernization Program Will Transform LAX.” August 10, 2023. Accessed September 15, 2025. https://www.discoverlosangeles.com/Business%2520Services/the-landside-access-modernization-program-will-transform-lax.

Eakin, Marah. “WTF Is Going on With L.A.’s LAX Metro Connector.” *Fodor’s*, March 4, 2025. https://www.fodors.com/world/north-america/usa/california/los-angeles/experiences/news/inside-laxs-new-people-mover-metro-connection-delays-what-to-expect.

Fine, Howard. “LAX Slips to 5th Busiest in the Nation.” *Los Angeles Business Journal*, February 10, 2025. https://labusinessjournal.com/featured/lax-slips-to-5th-busiest-in-the-nation/.

FlyAway®. *LAX FlyAway® Bus.* Accessed November 1, 2025. https://www.flylax.com/flyaway-bus.

Gateway LA. “Project: LAX Automated People Mover (APM).” *Gateway LAX Airport Business District*. Accessed November 1, 2025. https://www.gatewayla.org/project-lax-automated-people-mover-apm.

Irvine Community News & Views iMessage. “Free Irvine CONNECT Shuttle Bus Has Expanded Routes.” October 2, 2025. https://irvinecommunitynewsandviews.org/free-irvine-connect-shuttle-bus-has-expanded-routes/.

John Wayne Airport. “John Wayne Airport Posts September 2025 Statistics.” *News Releases*. Accessed November 1, 2025. https://www.ocair.com/news/2025/10/22/statistics-september-2025/.

John Wayne Airport. “Statistics.” *News & Info.* Accessed November 1, 2025. https://www.ocair.com/about/news-info/statistics/.

Kubwa, M. “$2 Billion LAX’s People Mover Completion Set for Late 2025.” *Construction Review*, April 5, 2024. https://constructionreviewonline.com/construction-news/usa/2-billion-laxs-people-mover-completion-set-for-late-2025/.

Los Angeles County Grand Jury. “LAX - Automated People Mover, $880,000,000 of Change Orders! – So What?” *Grand Jury Report*, June 30, 2025, 551–602. https://www.grandjury.co.la.ca.us/pdf/2024-25%20Los%20Angeles%20County%20Civil%20Grand%20Jury%20Final%20Report.pdf

Los Angeles County Metropolitan Transportation Authority. *Metro*. Accessed November 1, 2025. https://www.metro.net.

LA Metro. *Interactive Estimate Ridership Stats*. Accessed November 2, 2025. https://opa.metro.net/MetroRidership/

LA Metro. *LAX Metro Transit Center Opening Drives Dramatic Increase in Ridership on K Line*. Accessed November 2, 2025. https://www.metro.net/about/lax-metro-transit-center-opening-drives-dramatic-increase-in-ridership-on-k-line/#:~:text=Overall%20System%20Ridership%20and%20Experience,reasons%20cited%20for%20the%20improvement.

LA Metro. *Rider Apps.* Accessed November 1, 2025. https://www.metro.net/riding/rider-apps/.

Los Angeles County Sheriff's Department. *Transit Services Bureau Weekly Report*, October 14, 2025. https://lasd.org/transit-services-bureau-weekly-report-68/.

Los Angeles World Airports. "Airfield and Terminal Modernization Project (ATMP) Roadway Improvements Project." *Airport Development Group.* Accessed November 1, 2025. https://www.lawa.org/transforminglax/projects/atmp-roadways.

Los Angeles World Airports. "Automated People Mover (APM) Train System." *The Development Group*. Accessed November 1, 2025. https://www.lawa.org/transforminglax/projects/automated-people-mover-train-system.

Los Angeles World Airports. *Board of Airport Commissioners Minutes: Regular Meeting @ LAX*, August 3, 2023. https://lawa.granicus.com/player/clip/980?view_id=4&meta_id=62526&redirct=true.

Los Angeles World Airports. "Consolidated Rent-A-Car Facility." *Connecting LAX*. Accessed November 1, 2025. https://www.lawa.org/connectinglax/consolidated-rent-a-car-facility.

Los Angeles World Airports. *Welcome to LAWA, the governing body for LAX and Van Nuys Airports*. Accessed November 1, 2025. https://www.lawa.org.

Los Angeles World Airports. "LAX Capital Program Plan of Finance and Key Metrics." *LAWA Legislative Update*, March 13, 2025. https://www.lawa.org/sites/lawa/files/2025-03/3.%20Management%20Report%20C%20-%20Capital%20Finance%20Plan.pdf.

Los Angeles World Airports. *Monthly Ground Transportation Traffic Statistics.* Accessed November 1, 2025. https://www.lawa.org/lawa-investor-relations/statistics-for-lax/ground-transportation-traffic-statistics.

Los Angeles World Airports. *10-Year Summary*. Accessed November 1, 2025. https://www.lawa.org/lawa-investor-relations/statistics-for-lax/10-year-summary/passengers.

Los Angeles World Airports. *Vehicle Access Policy Post-Automated People Mover (APM)*. Board of Airport Commissioners Management Report, August 3, 2023. https://lawa.granicus.com/MetaViewer.php?view_id=4&clip_id=980&meta_id=62527.

Los Angeles World Airports. *Volume of Air Traffic*. Accessed November 1, 2025. https://www.lawa.org/lawa-investor-relations/statistics-for-lax/volume-of-air-traffic.

Metrolink. *Welcome to Metrolink.* Accessed November 1, 2025. https://metrolinktrains.com.

Metrolink. *FlyAway®.* Accessed November 1, 2025. https://metrolinktrains.com/rider-info/general-info/flyaway/.

Metrolink. *Metrolink App.* Accessed November 1, 2025. https://metrolinktrains.com/ticketsOverview/where-to-buy/mobile-app/.

Metrolink. *Parking at Train Stations*. Accessed November 1, 2025. https://metrolinktrains.com/rider-info/general-info/parking-at-train-stations/.

Minneapolis Metro Transit. *Airport.* Accessed November 2, 2025. https://www.metrotransit.org/airport

Norwalk Transit System (NTS). Accessed November 1, 2025. https://www.norwalk.org/departments_services/norwalk_transit_system_nts/index.php.

Ohanesian, Liz. "Day Trip on a Budget Throughout Southern California with Metrolink." *Orange County Register*, September 9, 2025. https://www.ocregister.com/2025/09/09/day-trip-on-a-budget-throughout-southern-california-with-metrolink/.

Orange County Grand Jury (2025 – 2026). [Cover page lower left image of FlyAway® bus]. Photograph, November 10, 2025. Unpublished internal documentation.

Orange County Grand Jury (2025 – 2026). [Cover page lower right image of Automated People Mover]. Photograph, November 10, 2025. Unpublished internal documentation.

Orange County Transportation Authority. Accessed November 1, 2025. https://www.octa.net.

Orange County Transportation Authority. *Connecting Orange County*. Accessed January 18, 2026. https://www.octa.net/about/about-octa/overview.

Orange County Transportation Authority. *The OC Bus Mobile App.* Accessed November 1, 2025. https://www.octa.net/getting-around/bus/oc-bus/oc-bus-app/overview.

Orange County Transportation Authority. *Orangethorpe Transit Village Conceptual Study*. Accessed November 1, 2025. https://www.octa.net/programs-projects/programs/plans-and-studies/orangethorpe-transit-village-conceptual-study/.

Orange County Transportation Authority. *Transit-Supportive Design Guidelines*. Accessed November 1, 2025. https://www.octa.net/news/publications/transit-supportive-guidelines.

Orange County Transportation Authority. 2024 *OC Transit Vision*. May 2025. https://www.octa.net/pdf/OCTV_FullReport.pdf.

Orange County Transportation Authority. *2024 OC Transit Vision: Appendix A – State of OC Transit*. May 2025. https://www.octa.net/pdf/OCTV_AppendixA.pdf.

Orange County Transportation Authority. *About WAVE Card*. Accessed November 1, 2025. https://wave.octa.net/en/wave-card/about-wave-card/.

Pacific Surfliner. *Your SoCal ride with a view.* Accessed November 1, 2025. https://www.pacificsurfliner.com/.

Public CEO. *OCTA plans to use state funds to welcome back bus riders*. [Cover page upper left image of OCTA bus]. Photograph. Accessed December 15, 2025. https://www.publicceo.com/2022/08/orange-county-transportation-authoritys-student-bus-pass-program-expands-to-all-county-community-colleges/#iLightbox[gallery76351]/0.

Schlepp, Travis. "What Happened After LA Metro Paused Its Tap-to-Exit Program." *KTLA*. September 15, 2025. https://ktla.com/news/travel/what-happened-after-la-metro-paused-its-tap-to-exit-program/.

Southern California Association of Governments**.** *2024–25 President's Report*. May 2025. https://scag.ca.gov/sites/default/files/2025-05/24-0022-2025GA-PresidentsReport_Final.pdf.

Southern California Association of Governments. *Connect SoCal 2024: A Plan for Navigating to a Brighter Future*. Adopted April 4, 2024. https://scag.ca.gov/sites/default/files/2024-05/23-2987-connect-socal-2024-final-complete-040424.pdf.

Southern California Association of Governments. *Connect SoCal 2024: Aviation & Airport Ground Access Technical Report*. Adopted April 4, 2024.

https://scag.ca.gov/sites/default/files/2024-05/23-2987-tr-aviation-airport-ground-access-final-040424.pdf.

Southern California Association of Governments. *Connect SoCal 2024: Demographics & Growth Forecast Technical Report*. Adopted April 4, 2024. https://scag.ca.gov/sites/default/files/2024-05/23-2987-tr-demographics-growth-forecast-final-040424.pdf.

Southern California Association of Governments. Aviation. *SoCal Airport Access and Mobility Study.* Accessed November 20, 2025. https://scag.ca.gov/aviation-program.

Still Protecting Our Newport (SPON). *John Wayne Airport.* Accessed November 1, 2025. https://spon-newportbeach.org/John-Wayne-Airport.html.

TAP. *TAP is your ticket to ride.* Accessed November 1, 2025. https://www.taptogo.net/.

Transit. *Your license to a car-free life.* Accessed November 1, 2025. https://transitapp.com/.

Visit Anaheim. *Anaheim Regional Transportation Intermodal Center.* Accessed November 1, 2025. https://www.visitanaheim.org/plan-your-trip/transportation/artic/.

Appendix A

Los Angeles World Airports Traffic and Vehicle Data

Table 3 LAX Traffic Comparison for September 2025

Los Angeles World Airports (LAWA)
Traffic Comparison (TCOM)
Los Angeles International Airport
Calendar YTD January to September

10/23/2025, 1:26 PM
Page 1 of 1

	Sep-2025	Sep-2024	% Change	Jan-2025 to Sep-2025	Jan-2024 to Sep-2024	% Change
Passenger Traffic Totals						
Domestic	3,942,661	4,240,358	-7.02 %	37,582,019	39,416,944	-4.66 %
International	1,866,574	1,968,016	-5.15 %	17,869,382	18,235,631	-2.01 %
Total	5,809,235	6,208,374	-6.43 %	55,451,401	57,652,575	-3.82 %
Domestic Passengers						
Scheduled Carriers	3,940,315	4,238,663	-7.04 %	37,554,861	39,400,427	-4.68 %
Commuter Carriers	579	0	100.00 %	12,885	91	14,059.34 %
Charter Carriers	1,767	1,695	4.25 %	14,273	16,426	-13.11 %
Total	3,942,661	4,240,358	-7.02 %	37,582,019	39,416,944	-4.66 %
International Passengers						
Tom Bradley Intl	1,045,693	1,091,068	-4.16 %	9,851,967	9,950,908	-0.99 %
West Gates-MSC	439,328	434,496	1.11 %	3,870,304	3,771,001	2.63 %
Terminal 6	193,915	191,410	1.31 %	1,932,838	1,942,379	-0.49 %
Terminal 7	79,089	104,027	-23.97 %	950,330	1,077,046	-11.77 %
Terminal 2	47,581	86,047	-44.70 %	575,720	751,408	-23.38 %
All Other Terminals	60,968	60,968	0.00 %	688,223	742,889	-7.36 %
Total	1,866,574	1,968,016	-5.15 %	17,869,382	18,235,631	-2.01 %
US Customs Arrivals by Terminal						
Tom Bradley Intl	829,419	858,769	-3.42 %	7,983,718	7,920,228	0.80 %
Terminal 7	74,822	71,461	4.70 %	773,860	791,700	-2.25 %
Terminal 2	214	0	100.00 %	214	0	100.00 %
Terminal 5	0	0	0.00 %	0	0	0.00 %
Terminal 4	0	0	0.00 %	0	0	0.00 %
All Other Terminals	0	0	0.00 %	0	0	0.00 %
Total	904,455	930,230	-2.77 %	8,757,792	8,711,928	0.53 %
Air Cargo (Tons)						
Mail	4,623	4,283	7.94 %	44,570	35,610	25.16 %
Freight	179,165	191,177	-6.28 %	1,594,909	1,761,083	-9.44 %
Total	183,788	195,459	-5.97 %	1,639,479	1,796,693	-8.75 %
FAA Aircraft Movement						
Air Carrier	43,941	44,896	-2.13 %	409,915	409,501	0.10 %
Air Taxi	1,647	1,690	-2.54 %	16,311	15,302	6.59 %
General Aviation	904	1,139	-20.63 %	9,145	9,581	-4.55 %
Military	17	29	-41.38 %	233	314	-25.80 %
Total	46,509	47,754	-2.61 %	435,604	434,698	0.21 %

Source: lawa.org

Table 4 LAX Ground Transportation Monthly Report for September 2025

Page 1 of 1

Los Angeles World Airports (LAWA)

Los Angeles International Airport (LAX)

Ground Transportation Monthly Report

All Commercial Vehicle Activity

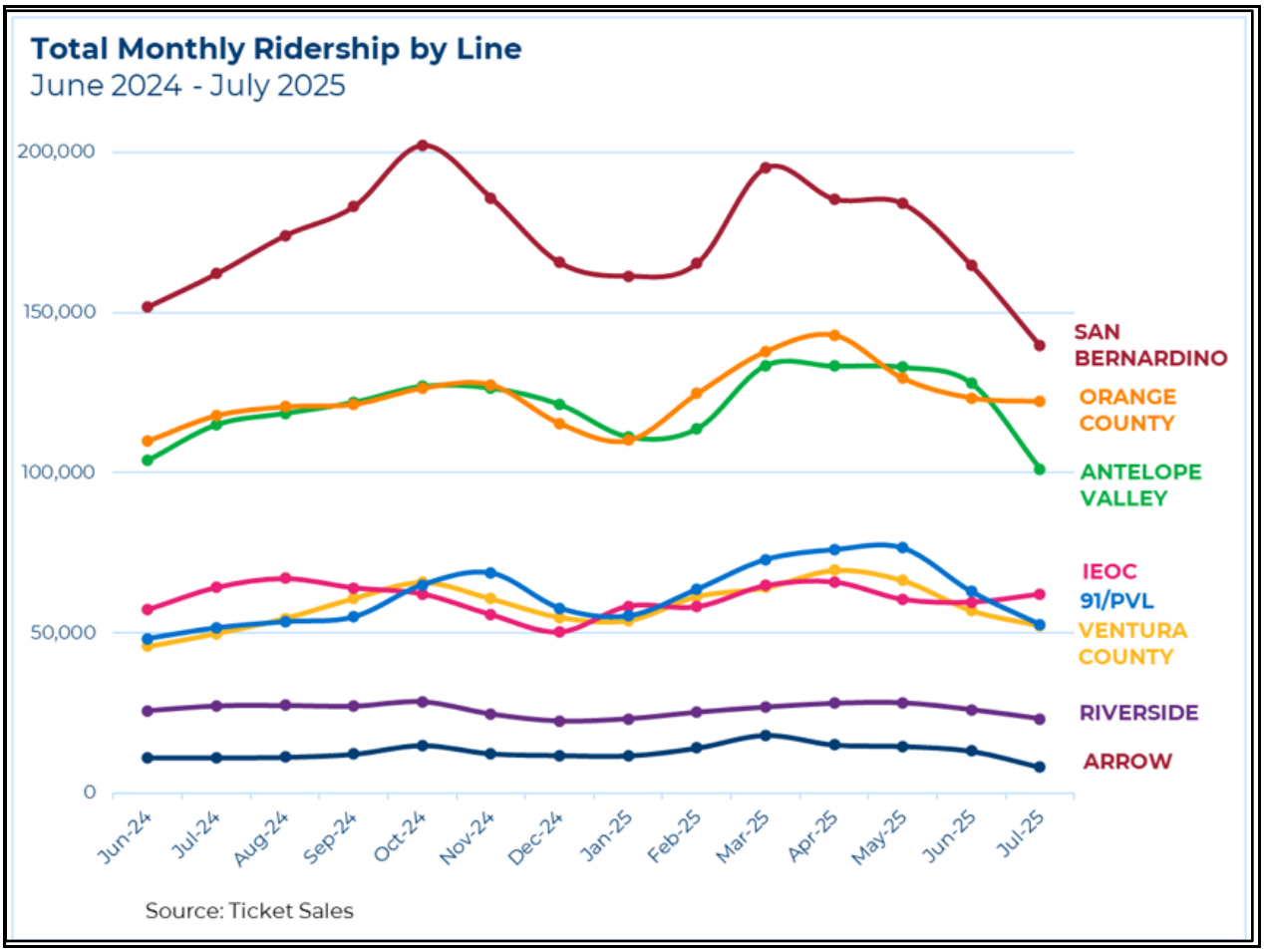
September 2025	Current Month			Year Prior				Year-to-Date Comparison				
Upper & Lower Level Volumes	*Sep 2025*			*Sep 2024*				*Jan to Sep 2025*		*Jan to Sep 2024*		
Operator Type	**Monthly**	**Daily Avg**	**Market Share**	**Monthly**	**Daily Avg**	**Market Share**	**% Change**	**YTD Totals**	**YTD Daily Avg**	**Last YTD Totals**	**Last YTD Daily Avg**	**YTD % Change**
CHARTER												
TRANSPORTATION CHARTER PARTY (TCP)	252,609	8,420	9.3%	157,345	5,245	5.3%	60.5%	1,734,032	6,329	1,268,223	4,612	37.2%
TRANSPORTATION NETWORK COMPANY (TNC)	565,409	18,847	20.9%	656,983	21,899	22.3%	-13.9%	5,103,838	18,627	5,546,239	20,168	-7.6%
Total Charter	**818,018**	**27,267**	30.3%	**814,328**	**27,144**	27.6%	0.5%	**6,837,870**	**24,956**	**6,814,462**	**24,780**	0.7%
COURTESY												
HOTEL/MOTEL	32,383	1,079	1.2%	38,824	1,294	1.3%	-16.6%	323,487	1,181	394,246	1,434	-17.6%
PRIVATE PARKING	26,444	881	1.0%	24,478	816	0.8%	8.0%	219,166	800	196,487	714	11.9%
RENTCAR-ON AIRPORT	41,107	1,370	1.5%	43,311	1,444	1.5%	-5.1%	371,759	1,357	365,750	1,330	2.0%
Total Courtesy	**99,934**	**3,331**	3.7%	**106,613**	**3,554**	3.6%	-6.3%	**914,412**	**3,337**	**956,483**	**3,478**	-4.0%
PASSENGER STAGE CORPORATION (PSC)												
SCHEDULED SERVICE	2,486	83	0.1%	2,000	67	0.1%	24.3%	21,103	77	16,661	61	27.1%
SHARED-RIDE	7	0	0.0%	13	0	0.0%	-46.2%	43	0	199	1	-78.3%
Total PSC	**2,493**	**83**	0.1%	**2,013**	**67**	0.1%	23.8%	**21,146**	**77**	**16,860**	**61**	25.9%
TAXI												
TAXI	67,218	2,241	2.5%	85,171	2,839	2.9%	-21.1%	593,445	2,166	690,789	2,512	-13.8%
Total Taxi	**67,218**	**2,241**	2.5%	**85,171**	**2,839**	2.9%	-21.1%	**593,445**	**2,166**	**690,789**	**2,512**	-13.8%
LAWA												
FLYAWAY	6,246	208	0.2%	6,730	224	0.2%	-7.2%	56,810	207	65,508	238	-13.0%
LAX SHUTTLE	7,721	257	0.3%	9,783	326	0.3%	-21.1%	87,812	320	74,724	272	17.9%
Total LAWA	**13,967**	**466**	0.5%	**16,513**	**550**	0.6%	-15.4%	**144,622**	**528**	**140,232**	**510**	3.5%
COMMERCIAL TOTAL	**1,001,630**	**33,388**	**37.0%**	**1,024,638**	**34,155**	**34.7%**	**-2.2%**	**8,511,495**	**31,064**	**8,618,826**	**31,341**	**-0.9%**
PRIVATE VEHICLES	1,702,302	56,743	63.0%	1,927,648	64,255	65.3%	-11.7%	16,238,917	59,266	17,619,001	64,069	-7.5%
Total Vehicle Volumes	**2,703,932**	**90,131**	**100.0%**	**2,952,286**	**98,410**	**100.0%**	**-8.4%**	**24,750,412**	**90,330**	**26,237,827**	**95,410**	**-5.3%**

Source: lawa.org

1

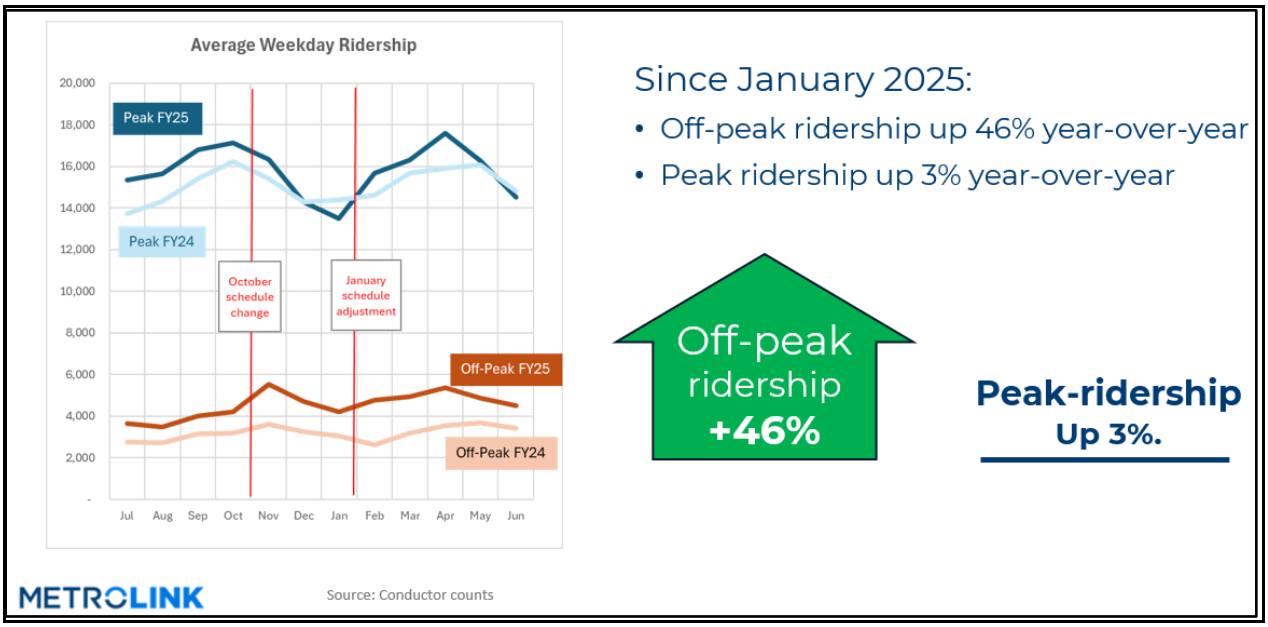
Appendix B

Metrolink Ridership Data



Source: Metrolink

Figure 7 Metrolink Systemwide Ridership



Source: Metrolink

Figure 8 Peak/Off-Peak Ridership Analysis

Appendix C

Public Transportation References

- **FlyAway® Bus**
- https://www.flylax.com/flyaway-bus
    - Schedule: Union Station - LAX
    - https://www.flylax.com/flyaway-bus/union-station

- **LA Metro**
- https://www.metro.net/
    - Schedule: A, C, E, J, and K Lines
    - https://www.metro.net/riding/schedules-2/

- **Norwalk Transportation System**
- https://www.norwalk.org/departments_services/norwalk_transit_system_nts/index.php
    - Schedule: Buses 4 and 7
    - https://www.norwalk.org/departments_services/norwalk_transit_system_nts/fares.php

- **Metrolink**
- https://metrolinktrains.com/
    - Schedule
    - https://metrolinktrains.com/

- **Amtrak Pacific Surfliner**
- https://www.pacificsurfliner.com/
    - Schedule
    - https://www.pacificsurfliner.com/plan-your-trip/schedules/

- **Orange County Transportation Authority**
- https://octa.net/
    - Schedule: Buses 76, 83, and 460
    - https://octa.net/getting-around/bus/oc-bus/routes-and-schedules/routes-and-schedules

Appendix D

Route Data

Table 5 Weekday FlyAway®-to-Metrolink/Amtrak Route with Average Travel Time of Two Hours and 15 Minutes and Average Wait Time of 38 Minutes

FlyAway®		Wait	Metrolink / Amtrak		Transit	Total	Total
LAX	Union Station	Time	Union Station	Irvine	Time	Wait	Time
5:40 AM	6:12 AM	0:28	6:40 AM	7:48 AM	1:40	0:28	2:08
6:10 AM	6:42 AM	0:28	7:10 AM	8:12 AM	1:34	0:28	2:02
6:40 AM	7:12 AM	0:28	7:40 AM	8:48 AM	1:40	0:28	2:08
7:10 AM	7:42 AM	0:28	8:10 AM	9:12 AM	1:34	0:28	2:02
7:40 AM	8:12 AM	0:28	8:40 AM	9:48 AM	1:40	0:28	2:08
8:10 AM	8:42 AM	1:28	10:10 AM	11:12 AM	1:34	1:28	3:02
8:40 AM	9:12 AM	0:58	10:10 AM	11:12 AM	1:34	0:58	2:32
9:10 AM	9:42 AM	0:28	10:10 AM	11:12 AM	1:34	0:28	2:02
9:40 AM	10:12 AM	0:28	10:40 AM	11:48 AM	1:40	0:28	2:08
10:10 AM	10:42 AM	0:28	11:10 AM	12:12 PM	1:34	0:28	2:02
10:40 AM	11:12 AM	0:58	12:10 PM	1:12 PM	1:34	0:58	2:32
11:10 AM	11:42 AM	0:28	12:10 PM	1:12 PM	1:34	0:28	2:02
11:40 AM	12:12 PM	0:28	12:40 PM	1:48 PM	1:40	0:28	2:08
12:10 PM	12:42 PM	0:42	1:24 PM	2:32 PM	1:40	0:42	2:22
12:40 PM	1:12 PM	0:12	1:24 PM	2:32 PM	1:40	0:12	1:52
1:10 PM	1:42 PM	0:58	2:40 PM	3:48 PM	1:40	0:58	2:38
1:40 PM	2:12 PM	0:28	2:40 PM	3:48 PM	1:40	0:28	2:08
2:10 PM	2:42 PM	0:28	3:10 PM	4:12 PM	1:34	0:28	2:02
2:40 PM	3:12 PM	0:28	3:40 PM	4:48 PM	1:40	0:28	2:08
3:10 PM	3:42 PM	0:28	4:10 PM	5:09 PM	1:31	0:28	1:59
3:40 PM	4:12 PM	0:28	4:40 PM	5:48 PM	1:40	0:28	2:08
4:10 PM	4:42 PM	0:28	5:10 PM	6:12 PM	1:34	0:28	2:02
4:40 PM	5:12 PM	0:28	5:40 PM	6:48 PM	1:40	0:28	2:08
5:10 PM	5:42 PM	0:28	6:10 PM	7:12 PM	1:34	0:28	2:02
5:40 PM	6:12 PM	0:28	6:40 PM	7:48 PM	1:40	0:28	2:08
6:10 PM	6:42 PM	1:28	8:10 PM	9:12 PM	1:34	1:28	3:02
6:40 PM	7:12 PM	0:58	8:10 PM	9:12 PM	1:34	0:58	2:32
7:10 PM	7:42 PM	0:28	8:10 PM	9:12 PM	1:34	0:28	2:02
7:40 PM	8:12 PM	1:28	9:40 PM	10:48 PM	1:40	1:28	3:08
8:10 PM	8:42 PM	0:58	9:40 PM	10:48 PM	1:40	0:58	2:38
8:40 PM	9:12 PM	0:28	9:40 PM	10:48 PM	1:40	0:28	2:08
9:10 PM	9:42 PM	0:28	10:10 PM	11:12 PM	1:34	0:28	2:02
				Average	1:36	0:38	2:15

Blue = Metrolink

Table 6 Weekday FlyAway®-to-Metrolink/Amtrak Route with FlyAway® Bus Arriving Five Minutes Early Reduces Average Travel Time by 23 Minutes

FlyAway®		Wait	Metrolink / Amtrak		Transit	Total	Total
LAX	Union Station	Time	Union Station	Irvine	Time	Wait	Time
5:35 AM	6:07 AM	0:03	6:10 AM	7:12 AM	1:34	0:03	1:37
6:05 AM	6:37 AM	0:03	6:40 AM	7:48 AM	1:40	0:03	1:43
6:35 AM	7:07 AM	0:03	7:10 AM	8:12 AM	1:34	0:03	1:37
7:05 AM	7:37 AM	0:03	7:40 AM	8:48 AM	1:40	0:03	1:43
7:35 AM	8:07 AM	0:03	8:10 AM	9:12 AM	1:34	0:03	1:37
8:05 AM	8:37 AM	0:03	8:40 AM	9:48 AM	1:40	0:03	1:43
8:35 AM	9:07 AM	1:03	10:10 AM	11:12 AM	1:34	1:03	2:37
9:05 AM	9:37 AM	0:33	10:10 AM	11:12 AM	1:34	0:33	2:07
9:35 AM	10:07 AM	0:03	10:10 AM	11:12 AM	1:34	0:03	1:37
10:05 AM	10:37 AM	0:03	10:40 AM	11:48 AM	1:40	0:03	1:43
10:35 AM	11:07 AM	0:03	11:10 AM	12:12 PM	1:34	0:03	1:37
11:05 AM	11:37 AM	0:33	12:10 PM	1:12 PM	1:34	0:33	2:07
11:35 AM	12:07 PM	0:03	12:10 PM	1:12 PM	1:34	0:03	1:37
12:05 PM	12:37 PM	0:03	12:40 PM	1:48 PM	1:40	0:03	1:43
12:35 PM	1:07 PM	0:17	1:24 PM	2:32 PM	1:40	0:17	1:57
1:05 PM	1:37 PM	1:03	2:40 PM	3:48 PM	1:40	1:03	2:43
1:35 PM	2:07 PM	0:33	2:40 PM	3:48 PM	1:40	0:33	2:13
2:05 PM	2:37 PM	0:03	2:40 PM	3:48 PM	1:40	0:03	1:43
2:35 PM	3:07 PM	0:03	3:10 PM	4:12 PM	1:34	0:03	1:37
3:05 PM	3:37 PM	0:03	3:40 PM	4:48 PM	1:40	0:03	1:43
3:35 PM	4:07 PM	0:03	4:10 PM	5:09 PM	1:31	0:03	1:34
4:05 PM	4:37 PM	0:03	4:40 PM	5:48 PM	1:40	0:03	1:43
4:35 PM	5:07 PM	0:03	5:10 PM	6:12 PM	1:34	0:03	1:37
5:05 PM	5:37 PM	0:03	5:40 PM	6:48 PM	1:40	0:03	1:43
5:35 PM	6:07 PM	0:03	6:10 PM	7:12 PM	1:34	0:03	1:37
6:05 PM	6:37 PM	0:03	6:40 PM	7:48 PM	1:40	0:03	1:43
6:35 PM	7:07 PM	1:03	8:10 PM	9:12 PM	1:34	1:03	2:37
7:05 PM	7:37 PM	0:33	8:10 PM	9:12 PM	1:34	0:33	2:07
7:35 PM	8:07 PM	0:03	8:10 PM	9:12 PM	1:34	0:03	1:37
8:05 PM	8:37 PM	1:03	9:40 PM	10:48 PM	1:40	1:03	2:43
8:35 PM	9:07 PM	0:33	9:40 PM	10:48 PM	1:40	0:33	2:13
9:05 PM	9:37 PM	0:03	9:40 PM	10:48 PM	1:40	0:03	1:43
9:35 PM	10:07 PM	0:03	10:10 PM	11:12 PM	1:34	0:03	1:37
				Average	1:36	0:15	1:52

Blue = Metrolink

Table 7 Weekend FlyAway®-to-Metrolink/Amtrak Route with Average Travel Time of Two Hours and 15 Minutes and Average Wait Time of 38 Minutes

FlyAway®		Wait	Metrolink / Amtrak		Transit	Total	Total
LAX	Union Station	Time	Union Station	Irvine	Time	Wait	Time
5:40 AM	6:12 AM	0:58	7:10 AM	8:12 AM	1:34	0:58	2:32
6:10 AM	6:42 AM	0:28	7:10 AM	8:12 AM	1:34	0:28	2:02
6:40 AM	7:12 AM	0:58	8:10 AM	9:12 AM	1:34	0:58	2:32
7:10 AM	7:42 AM	0:28	8:10 AM	9:12 AM	1:34	0:28	2:02
7:40 AM	8:12 AM	0:28	8:40 AM	9:49 AM	1:41	0:28	2:09
8:10 AM	8:42 AM	1:28	10:10 AM	11:12 AM	1:34	1:28	3:02
8:40 AM	9:12 AM	0:58	10:10 AM	11:12 AM	1:34	0:58	2:32
9:10 AM	9:42 AM	0:28	10:10 AM	11:12 AM	1:34	0:28	2:02
9:40 AM	10:12 AM	0:38	10:50 AM	11:59 AM	1:41	0:38	2:19
10:10 AM	10:42 AM	0:08	10:50 AM	11:59 AM	1:41	0:08	1:49
10:10 AM	10:42 AM	0:28	11:10 AM	12:12 PM	1:34	0:28	2:02
10:40 AM	11:12 AM	0:58	12:10 PM	1:12 PM	1:34	0:58	2:32
11:10 AM	11:42 AM	0:28	12:10 PM	1:12 PM	1:34	0:28	2:02
11:40 AM	12:12 PM	1:48	2:00 PM	3:09 PM	1:41	1:48	3:29
12:10 PM	12:42 PM	1:18	2:00 PM	3:09 PM	1:41	1:18	2:59
12:40 PM	1:12 PM	0:48	2:00 PM	3:09 PM	1:41	0:48	2:29
1:10 PM	1:42 PM	0:18	2:00 PM	3:09 PM	1:41	0:18	1:59
1:40 PM	2:12 PM	0:58	3:10 PM	4:12 PM	1:34	0:58	2:32
2:10 PM	2:42 PM	0:28	3:10 PM	4:12 PM	1:34	0:28	2:02
2:40 PM	3:12 PM	0:58	4:10 PM	5:09 PM	1:31	0:58	2:29
3:10 PM	3:42 PM	0:28	4:10 PM	5:09 PM	1:31	0:28	1:59
3:40 PM	4:12 PM	0:15	4:27 PM	5:36 PM	1:41	0:15	1:56
4:10 PM	4:42 PM	0:28	5:10 PM	6:12 PM	1:34	0:28	2:02
4:40 PM	5:12 PM	0:58	6:10 PM	7:12 PM	1:34	0:58	2:32
5:10 PM	5:42 PM	0:28	6:10 PM	7:12 PM	1:34	0:28	2:02
5:40 PM	6:12 PM	1:58	8:10 PM	9:12 PM	1:34	1:58	3:32
6:10 PM	6:42 PM	1:28	8:10 PM	9:12 PM	1:34	1:28	3:02
6:40 PM	7:12 PM	0:58	8:10 PM	9:12 PM	1:34	0:58	2:32
7:10 PM	7:42 PM	0:28	8:10 PM	9:12 PM	1:34	0:28	2:02
7:40 PM	8:12 PM	1:58	10:10 PM	11:12 PM	1:34	1:58	3:32
8:10 PM	8:42 PM	1:28	10:10 PM	11:12 PM	1:34	1:28	3:02
8:40 PM	9:12 PM	0:58	10:10 PM	11:12 PM	1:34	0:58	2:32
9:10 PM	9:42 PM	0:28	10:10 PM	11:12 PM	1:34	0:28	2:02
				Average	1:35	0:50	2:26

Blue = Metrolink

Table 8 Weekend FlyAway®-to-Metrolink/Amtrak Route with FlyAway® Bus Arriving Five Minutes Early Reduces Average Travel Time by 21 Minutes

FlyAway®		Wait	Metrolink / Amtrak		Transit	Total	Total
LAX	Union Station	Time	Union Station	Irvine	Time	Wait	Time
5:35 AM	6:07 AM	0:03	6:10 AM	7:12 AM	1:34	0:03	1:37
6:05 AM	6:37 AM	0:33	7:10 AM	8:12 AM	1:34	0:33	2:07
6:35 AM	7:07 AM	0:03	7:10 AM	8:12 AM	1:34	0:03	1:37
7:05 AM	7:37 AM	0:33	8:10 AM	9:12 AM	1:34	0:33	2:07
7:35 AM	8:07 AM	0:03	8:10 AM	9:12 AM	1:34	0:03	1:37
8:05 AM	8:37 AM	0:03	8:40 AM	9:49 AM	1:41	0:03	1:44
8:35 AM	9:07 AM	1:03	10:10 AM	11:12 AM	1:34	1:03	2:37
9:05 AM	9:37 AM	0:33	10:10 AM	11:12 AM	1:34	0:33	2:07
9:35 AM	10:07 AM	0:03	10:10 AM	11:12 AM	1:34	0:03	1:37
10:05 AM	10:37 AM	0:13	10:50 AM	11:59 AM	1:41	0:13	1:54
10:35 AM	11:07 AM	0:03	11:10 AM	12:12 PM	1:34	0:03	1:37
11:05 AM	11:37 AM	0:33	12:10 PM	1:12 PM	1:34	0:33	2:07
11:35 AM	12:07 PM	0:03	12:10 PM	1:12 PM	1:34	0:03	1:37
12:05 PM	12:37 PM	1:23	2:00 PM	3:09 PM	1:41	1:23	3:04
12:35 PM	1:07 PM	0:53	2:00 PM	3:09 PM	1:41	0:53	2:34
1:05 PM	1:37 PM	0:23	2:00 PM	3:09 PM	1:41	0:23	2:04
1:35 PM	2:07 PM	1:03	3:10 PM	4:12 PM	1:34	1:03	2:37
2:05 PM	2:37 PM	0:33	3:10 PM	4:12 PM	1:34	0:33	2:07
2:35 PM	3:07 PM	0:03	3:10 PM	4:12 PM	1:34	0:03	1:37
3:05 PM	3:37 PM	0:33	4:10 PM	5:09 PM	1:31	0:33	2:04
3:35 PM	4:07 PM	0:03	4:10 PM	5:09 PM	1:31	0:03	1:34
3:35 PM	4:07 PM	0:20	4:27 PM	5:36 PM	1:41	0:20	2:01
4:05 PM	4:37 PM	0:33	5:10 PM	6:12 PM	1:34	0:33	2:07
4:35 PM	5:07 PM	0:03	5:10 PM	6:12 PM	1:34	0:03	1:37
5:05 PM	5:37 PM	0:33	6:10 PM	7:12 PM	1:34	0:33	2:07
5:35 PM	6:07 PM	0:03	6:10 PM	7:12 PM	1:34	0:03	1:37
6:05 PM	6:37 PM	1:33	8:10 PM	9:12 PM	1:34	1:33	3:07
6:35 PM	7:07 PM	1:03	8:10 PM	9:12 PM	1:34	1:03	2:37
7:05 PM	7:37 PM	0:33	8:10 PM	9:12 PM	1:34	0:33	2:07
7:35 PM	8:07 PM	0:03	8:10 PM	9:12 PM	1:34	0:03	1:37
8:05 PM	8:37 PM	1:33	10:10 PM	11:12 PM	1:34	1:33	3:07
8:35 PM	9:07 PM	1:03	10:10 PM	11:12 PM	1:34	1:03	2:37
9:05 PM	9:37 PM	0:33	10:10 PM	11:12 PM	1:34	0:33	2:07
9:35 PM	10:07 PM	0:03	10:10 PM	11:12 PM	1:34	0:03	1:37
				Average	1:35	0:30	2:05

Blue = Metrolink

Table 9 Weekday LA Metro C Line-to-Metrolink/Amtrak Route with Average Travel Time of Two and a Half Hours and Average Wait Time of 54 Minutes

LA Metro C Line		Wait Time	Norwalk Bus 4		Wait Time	Metrolink / Amtrak		Transit Time	Total Wait	Total Time
LAX	Norwalk Station		Norwalk Station	Santa Fe Springs		Santa Fe Springs	Irvine			
4:40 AM	5:11 AM	0:05	5:16 AM	5:35 AM	0:30	6:05 AM	6:48 AM	1:33	0:35	2:08
5:10 AM	5:41 AM	0:05	5:46 AM	6:08 AM	0:57	7:05 AM	7:48 AM	1:36	1:02	2:38
5:40 AM	6:11 AM	0:05	6:16 AM	6:35 AM	0:30	7:05 AM	7:48 AM	1:33	0:35	2:08
6:10 AM	6:41 AM	0:04	6:45 AM	7:08 AM	0:57	8:05 AM	8:48 AM	1:37	1:01	2:38
6:40 AM	7:11 AM	0:08	7:19 AM	7:40 AM	0:25	8:05 AM	8:48 AM	1:35	0:33	2:08
7:10 AM	7:41 AM	0:05	7:46 AM	8:09 AM	0:56	9:05 AM	9:48 AM	1:37	1:01	2:38
7:40 AM	8:11 AM	0:05	8:16 AM	8:39 AM	0:26	9:05 AM	9:48 AM	1:37	0:31	2:08
8:00 AM	8:31 AM	0:10	8:41 AM	9:05 AM	0:00	9:05 AM	9:48 AM	1:38	0:10	1:48
8:40 AM	9:11 AM	0:25	9:36 AM	10:01 AM	1:04	11:05 AM	11:48 AM	1:39	1:29	3:08
9:10 AM	9:41 AM	0:21	10:02 AM	10:23 AM	0:42	11:05 AM	11:48 AM	1:35	1:03	2:38
9:40 AM	10:11 AM	0:26	10:37 AM	10:59 AM	0:06	11:05 AM	11:48 AM	1:36	0:32	2:08
10:00 AM	10:31 AM	0:06	10:37 AM	10:59 AM	0:06	11:05 AM	11:48 AM	1:36	0:12	1:48
10:40 AM	11:11 AM	0:08	11:19 AM	11:40 AM	1:25	1:05 PM	1:48 PM	1:35	1:33	3:08
11:10 AM	11:41 AM	0:02	11:43 AM	12:07 PM	0:58	1:05 PM	1:48 PM	1:38	1:00	2:38
11:40 AM	12:11 PM	0:25	12:36 PM	12:59 PM	0:06	1:05 PM	1:48 PM	1:37	0:31	2:08
11:59 AM	12:31 PM	0:05	12:36 PM	12:59 PM	0:06	1:05 PM	1:48 PM	1:38	0:11	1:49
12:30 PM	1:01 PM	0:08	1:09 PM	1:32 PM	0:17	1:49 PM	2:32 PM	1:37	0:25	2:02
1:10 PM	1:41 PM	0:29	2:10 PM	2:34 PM	0:31	3:05 PM	3:48 PM	1:38	1:00	2:38
1:30 PM	2:01 PM	0:09	2:10 PM	2:34 PM	0:31	3:05 PM	3:48 PM	1:38	0:40	2:18
2:10 PM	2:41 PM	0:28	3:09 PM	3:33 PM	0:32	4:05 PM	4:48 PM	1:38	1:00	2:38
2:30 PM	3:01 PM	0:08	3:09 PM	3:33 PM	0:32	4:05 PM	4:48 PM	1:38	0:40	2:18
3:10 PM	3:41 PM	0:28	4:09 PM	4:34 PM	0:31	5:05 PM	5:48 PM	1:39	0:59	2:38
3:40 PM	4:11 PM	0:27	4:38 PM	5:03 PM	0:02	5:05 PM	5:48 PM	1:39	0:29	2:08
4:00 PM	4:31 PM	0:07	4:38 PM	5:03 PM	0:02	5:05 PM	5:48 PM	1:39	0:09	1:48
4:30 PM	5:01 PM	0:01	5:02 PM	5:27 PM	0:38	6:05 PM	6:48 PM	1:39	0:39	2:18
5:10 PM	5:41 PM	0:01	5:42 PM	6:07 PM	0:58	7:05 PM	7:47 PM	1:38	0:59	2:37
5:40 PM	6:11 PM	0:05	6:16 PM	6:39 PM	0:26	7:05 PM	7:47 PM	1:36	0:31	2:07
6:10 PM	6:41 PM	0:04	6:45 PM	7:07 PM	2:58	10:05 PM	10:48 PM	1:36	3:02	4:38
6:40 PM	7:11 PM	0:24	7:35 PM	7:55 PM	2:10	10:05 PM	10:48 PM	1:34	2:34	4:08
7:10 PM	7:41 PM	0:51	8:32 PM	8:47 PM	1:18	10:05 PM	10:48 PM	1:29	2:09	3:38
7:40 PM	8:11 PM	0:21	8:32 PM	8:47 PM	1:18	10:05 PM	10:48 PM	1:29	1:39	3:08
8:10 PM	8:41 PM	0:28	9:09 PM	9:22 PM	0:43	10:05 PM	10:48 PM	1:27	1:11	2:38
8:40 PM	9:11 PM	0:38	9:49 PM	10:02 PM	0:03	10:05 PM	10:48 PM	1:27	0:41	2:08
9:00 PM	9:31 PM	0:18	9:49 PM	10:02 PM	0:03	10:05 PM	10:48 PM	1:27	0:21	1:48
	Average	0:14			0:40			1:35	0:54	2:30

Blue = Metrolink

Table 10 Weekend LA Metro C Line-to-Metrolink/Amtrak Route with Last Departure from LAX at 3:40 PM and Average Travel Time in Excess of Three Hours

LA Metro C Line		Wait Time	Norwalk Bus 4 and 7		Wait Time	Metrolink / Amtrak		Transit Time	Total Wait	Total Time
LAX	Norwalk Station		Norwalk Station	Santa Fe Springs		Santa Fe Springs	Irvine			
7:10 AM	7:41 AM	0:19	8:00 AM	8:18 AM	0:45	9:03 AM	9:49 AM	1:35	1:04	2:39
7:50 AM	8:21 AM	0:04	8:25 AM	8:39 AM	0:24	9:03 AM	9:49 AM	1:31	0:28	1:59
8:10 AM	8:41 AM	0:09	8:50 AM	9:08 AM	2:05	11:13 AM	11:59 AM	1:35	2:14	3:49
8:40 AM	9:11 AM	0:29	9:40 AM	9:58 AM	1:15	11:13 AM	11:59 AM	1:35	1:44	3:19
9:10 AM	9:41 AM	0:49	10:30 AM	10:50 AM	0:23	11:13 AM	11:59 AM	1:37	1:12	2:49
9:50 AM	10:21 AM	0:09	10:30 AM	10:50 AM	0:23	11:13 AM	11:59 AM	1:37	0:32	2:09
10:10 AM	10:41 AM	0:39	11:20 AM	11:40 AM	2:44	2:24 PM	3:09 PM	1:36	3:23	4:59
10:40 AM	11:11 AM	0:09	11:20 AM	11:40 AM	2:44	2:24 PM	3:09 PM	1:36	2:53	4:29
11:10 AM	11:41 AM	0:29	12:10 PM	12:30 PM	1:54	2:24 PM	3:09 PM	1:36	2:23	3:59
11:40 AM	12:11 PM	0:49	1:00 PM	1:20 PM	1:04	2:24 PM	3:09 PM	1:36	1:53	3:29
12:10 PM	12:41 PM	0:19	1:00 PM	1:20 PM	1:04	2:24 PM	3:09 PM	1:36	1:23	2:59
12:40 PM	1:11 PM	0:39	1:50 PM	2:10 PM	0:14	2:24 PM	3:09 PM	1:36	0:53	2:29
1:10 PM	1:41 PM	0:09	1:50 PM	2:10 PM	0:14	2:24 PM	3:09 PM	1:36	0:23	1:59
1:40 PM	2:11 PM	0:29	2:40 PM	3:00 PM	1:50	4:50 PM	5:36 PM	1:37	2:19	3:56
2:10 PM	2:41 PM	0:49	3:30 PM	3:50 PM	1:00	4:50 PM	5:36 PM	1:37	1:49	3:26
2:40 PM	3:11 PM	0:19	3:30 PM	3:50 PM	1:00	4:50 PM	5:36 PM	1:37	1:19	2:56
3:10 PM	3:41 PM	0:39	4:20 PM	4:40 PM	0:10	4:50 PM	5:36 PM	1:37	0:49	2:26
3:40 PM	4:11 PM	0:09	4:20 PM	4:40 PM	0:10	4:50 PM	5:36 PM	1:37	0:19	1:56
	Average	0:25			1:04			1:35	1:30	3:05

Blue = Metrolink

Orange = Bus 7 (No Service on Sundays)

Table 11 Weekday Metrolink/Amtrak-to-FlyAway® Route with Average Travel Time of One Hour and a 48 Minutes and Average Wait Time of only Seven Minutes

Metrolink / Amtrak		Wait Time	FlyAway®		Transit Time	Total Wait	Total Time
Irvine	Union Station		Union Station	LAX			
5:12 AM	6:20 AM	0:10	6:30 AM	7:03 AM	1:41	0:10	1:51
5:49 AM	6:57 AM	0:03	7:00 AM	7:33 AM	1:41	0:03	1:44
6:12 AM	7:20 AM	0:10	7:30 AM	8:03 AM	1:41	0:10	1:51
7:12 AM	8:20 AM	0:10	8:30 AM	9:03 AM	1:41	0:10	1:51
7:49 AM	8:57 AM	0:03	9:00 AM	9:33 AM	1:41	0:03	1:44
8:12 AM	9:20 AM	0:10	9:30 AM	10:03 AM	1:41	0:10	1:51
9:12 AM	10:20 AM	0:10	10:30 AM	11:03 AM	1:41	0:10	1:51
9:49 AM	10:52 AM	0:08	11:00 AM	11:33 AM	1:36	0:08	1:44
10:12 AM	11:20 AM	0:10	11:30 AM	12:03 PM	1:41	0:10	1:51
11:49 AM	12:57 PM	0:03	1:00 PM	1:33 PM	1:41	0:03	1:44
1:12 PM	2:20 PM	0:10	2:30 PM	3:03 PM	1:41	0:10	1:51
1:49 PM	2:57 PM	0:03	3:00 PM	3:33 PM	1:41	0:03	1:44
2:49 PM	3:57 PM	0:03	4:00 PM	4:33 PM	1:41	0:03	1:44
3:12 PM	4:20 PM	0:10	4:30 PM	5:03 PM	1:41	0:10	1:51
3:52 PM	4:57 PM	0:03	5:00 PM	5:33 PM	1:38	0:03	1:41
4:12 PM	5:20 PM	0:10	5:30 PM	6:03 PM	1:41	0:10	1:51
5:12 PM	6:20 PM	0:10	6:30 PM	7:03 PM	1:41	0:10	1:51
5:52 PM	6:57 PM	0:03	7:00 PM	7:33 PM	1:38	0:03	1:41
6:12 PM	7:20 PM	0:10	7:30 PM	8:03 PM	1:41	0:10	1:51
6:53 PM	8:04 PM	0:26	8:30 PM	9:03 PM	1:44	0:26	2:10
7:12 PM	8:20 PM	0:10	8:30 PM	9:03 PM	1:41	0:10	1:51
8:12 PM	9:20 PM	0:10	9:30 PM	10:03 PM	1:41	0:10	1:51
8:49 PM	9:57 PM	0:03	10:00 PM	10:33 PM	1:41	0:03	1:44
9:49 PM	10:57 PM	0:03	11:00 PM	11:33 PM	1:41	0:03	1:44
				Average	1:40	0:07	1:48

Blue = Metrolink

Table 12 Weekend Metrolink/Amtrak-to-FlyAway® Route with Average Travel Time of One Hour and a 52 Minutes and Average Wait Time of only Ten Minutes

Metrolink / Amtrak		Wait Time	FlyAway®		Transit Time	Total Wait	Total Time
Irvine	Union Station		Union Station	LAX			
5:49 AM	6:57 AM	0:03	7:00 AM	7:33 AM	1:41	0:03	1:44
7:49 AM	8:57 AM	0:03	9:00 AM	9:33 AM	1:41	0:03	1:44
9:21 AM	10:34 AM	0:26	11:00 AM	11:33 AM	1:46	0:26	2:12
9:49 AM	10:52 AM	0:08	11:00 AM	11:33 AM	1:36	0:08	1:44
11:49 AM	12:57 PM	0:03	1:00 PM	1:33 PM	1:41	0:03	1:44
12:22 PM	1:34 PM	0:26	2:00 PM	2:33 PM	1:45	0:26	2:11
1:49 PM	2:57 PM	0:03	3:00 PM	3:33 PM	1:41	0:03	1:44
2:23 PM	3:39 PM	0:21	4:00 PM	4:33 PM	1:49	0:21	2:10
2:49 PM	3:57 PM	0:03	4:00 PM	4:33 PM	1:41	0:03	1:44
3:52 PM	4:57 PM	0:03	5:00 PM	5:33 PM	1:38	0:03	1:41
5:52 PM	6:57 PM	0:03	7:00 PM	7:33 PM	1:38	0:03	1:41
6:21 PM	7:38 PM	0:22	8:00 PM	8:33 PM	1:50	0:22	2:12
6:53 PM	8:04 PM	0:26	8:30 PM	9:03 PM	1:44	0:26	2:10
8:49 PM	9:57 PM	0:03	10:00 PM	10:33 PM	1:41	0:03	1:44
9:49 PM	10:57 PM	0:03	11:00 PM	11:33 PM	1:41	0:03	1:44
				Average	1:42	0:10	1:52

Blue = Metrolink

Table 13 Weekday Metrolink/Amtrak-to-LA Metro C Line Route with Average Travel Time of One Hour and 47 Minutes but only One Train during Mid-Day

Metrolink / Amtrak		Wait Time	Norwalk Bus 4		Wait Time	LA Metro C Line		Transit Time	Total Wait	Total Time
Irvine	Santa Fe Springs		Santa Fe Springs	Norwalk Station		Norwalk Station	LAX			
5:12 AM	5:57 AM	0:04	6:01 AM	6:16 AM	0:09	6:25 AM	6:55 AM	1:30	0:13	1:43
6:12 AM	6:57 AM	0:03	7:00 AM	7:17 AM	0:08	7:25 AM	7:55 AM	1:32	0:11	1:43
7:12 AM	7:57 AM	0:06	8:03 AM	8:21 AM	0:04	8:25 AM	8:55 AM	1:33	0:10	1:43
8:12 AM	8:57 AM	0:12	9:09 AM	9:26 AM	0:09	9:35 AM	10:05 AM	1:32	0:21	1:53
9:12 AM	9:57 AM	0:04	10:01 AM	10:18 AM	0:07	10:25 AM	10:55 AM	1:32	0:11	1:43
10:12 AM	10:57 AM	0:03	11:00 AM	11:17 AM	0:08	11:25 AM	11:55 AM	1:32	0:11	1:43
1:12 PM	1:57 PM	0:02	1:59 PM	2:17 PM	0:08	2:25 PM	2:55 PM	1:33	0:10	1:43
3:12 PM	3:57 PM	0:00	3:57 PM	4:16 PM	0:09	4:25 PM	4:55 PM	1:34	0:09	1:43
4:12 PM	4:57 PM	0:10	5:07 PM	5:27 PM	0:08	5:35 PM	6:05 PM	1:35	0:18	1:53
5:12 PM	5:57 PM	0:04	6:01 PM	6:19 PM	0:06	6:25 PM	6:55 PM	1:33	0:10	1:43
6:12 PM	6:57 PM	0:04	7:01 PM	7:18 PM	0:07	7:25 PM	7:55 PM	1:32	0:11	1:43
7:12 PM	7:57 PM	0:17	8:14 PM	8:29 PM	0:16	8:45 PM	9:15 PM	1:30	0:33	2:03
8:12 PM	8:57 PM	0:29	9:26 PM	9:40 PM	0:05	9:45 PM	10:15 PM	1:29	0:34	2:03
	Average	0:07			0:08			1:32	0:15	1:47

Blue = Metrolink

Table 14 Weekend Metrolink/Amtrak-to-LA Metro C Line Route with Earliest Arrival to LAX at 11:45 AM and Average Travel Time of Two Hours and Eight Minutes

Metrolink / Amtrak		Wait Time	Norwalk Bus 4		Wait Time	LA Metro C Line		Transit Time	Total Wait	Total Time
Irvine	Santa Fe Springs		Santa Fe Springs	Norwalk Station		Norwalk Station	LAX			
9:21 AM	10:05 AM	0:50	10:55 AM	11:10 AM	0:05	11:15 AM	11:45 AM	1:29	0:55	2:24
12:22 PM	1:06 PM	0:22	1:28 PM	1:44 PM	0:11	1:55 PM	2:25 PM	1:30	0:33	2:03
2:23 PM	3:10 PM	0:46	3:56 PM	4:12 PM	0:03	4:15 PM	4:45 PM	1:33	0:49	2:22
6:21 PM	7:08 PM	0:07	7:15 PM	7:29 PM	0:06	7:35 PM	8:05 PM	1:31	0:13	1:44
	Average	0:31			0:06			1:30	0:37	2:08

Blue = Metrolink

Table 15 Comparison of Transit Routes from Irvine to LAX

Item	Metrolink/Amtrak -> FlyAway® -> APM		Metrolink -> NTS -> C Line -> APM	
	Weekday	**Weekend**	**Weekday**	**Weekend**
Average Trip Time (Hours: Minutes)	1:48	1:52	1:47	2:08
Shortest Trip Time (Hours: Minutes)	1:41	1:41	1:43	1:44
Longest Trip Time (Hours: Minutes)	2:10	2:12	2:03	2:24
Number of Trains	24	15	13	4
Average Frequency of Trains (Hours: Minutes)	0:43	1:08	1:15	3:00
Percentage of Trips < 2:00	96%	67%	85%	25%
Percentage of Trips < 2:00 and < 2:30	4%	33%	15%	75%
Percentage of Trips > 2:30 and < 3:00	0%	0%	0%	0%
Percentage of Trips > 3:00	0%	0%	0%	0%
Earliest Departure from Irvine	5:12 AM	5:49 AM	5:12 AM	9:21 AM
Earliest Arrival at LAX	7:03 AM	7:33 AM	6:55 AM	11:45 AM
Latest Departure from Irvine	9:49 PM	9:49 PM	8:12 PM	6:21 PM
Latest Arrival at LAX	11:33 PM	11:33 PM	10:15 PM	8:05 PM

Note: APM replaces LAX Shuttle in mid-2026

Source: Metrolink, Amtrak, LA Metro, Norwalk Transit System, and FlyAway® published schedules

Table 16 Comparison of Transit Routes from LAX to Irvine

Item	APM -> FlyAway® -> Metrolink/Amtrak		APM -> C Line -> NTS -> Metrolink	
	Weekday	**Weekend**	**Weekday**	**Weekend**
Average Trip Time (Hours: Minutes)	2:15	2:26	2:30	3:05
Shortest Trip Time (Hours: Minutes)	1:52	1:49	1:48	1:56
Longest Trip Time (Hours: Minutes)	3:08	3:32	4:38	4:59
Number of Trains	25	16	13	4
Average Frequency of Trains (Hours: Minutes)	0:41	1:04	1:20	2:35
Percentage of Trips < 2:00	6%	12%	15%	17%
Percentage of Trips < 2:00 and < 2:30	69%	42%	68%	39%
Percentage of Trips > 2:30 and < 3:00	16%	27%	12%	33%
Percentage of Trips > 3:00	9%	18%	6%	11%
Earliest Departure from LAX	5:40 AM	5:40 AM	4:40 AM	7:50 AM
Earliest Arrival at Irvine	7:48 AM	8:12 AM	6:48 AM	9:49 AM
Latest Departure from LAX	9:10 PM	9:10 PM	9:00 PM	3:40 PM
Latest Arrival at Irvine	11:12 PM	11:12 PM	10:48 PM	5:36 PM

Note: APM replaces LAX Shuttle in mid-2026

Source: Metrolink, Amtrak, LA Metro, Norwalk Transit System, and FlyAway® published schedules