



TRAFFIC GENERATION REPORT

Los Angeles International Airport / August 2020

Executive Summary:

As part of the LAX Specific Plan, Appendix A, Monitoring and Reporting, states: “LAWA shall prepare and submit annual reports [including a Traffic Generation Report] to the Board of Airport Commissioners, the Department of City Planning, Los Angeles Department of Transportation and Los Angeles City Council.” This report is intended to assist in fulfilling this commitment for 2020.

The typical design day used for LAX planning is a Friday in August. The results of the August 2020 traffic volume study reveal that there were **6,217** trips recorded at LAX during the 8 am to 9 am peak hour, **8,066** trips in the 11 am to noon airport peak hour and **6,428** trips in the 5 pm to 6 pm peak hour.

Through the majority of the year 2020, the COVID-19 global pandemic impacted all travel. The aviation industry was heavily impacted as varying levels of international and domestic travel restrictions were set in place to reduce transmission. At the time of data collection in late August 2020 and first weekend in September 2020, LAX vehicle traffic levels were within the range of 40 to 46 percent compared to the same time period in 2019. In addition, certain facilities/services were closed and/or suspended until further notice in response to COVID-19’s impact to passenger traffic. These changes will be reflected or addressed in the appropriate sections under Methodology.

Prior to the COVID-19 pandemic, LAX also underwent major operational changes for its ground transportation providers. Major changes included: the construction and opening of LAX-it, a new passenger pickup facility located just east of Terminal 1 that is dedicated to only Taxi and Transportation Network Companies (TNC) or “Ride-App” pickups; the installation of curb extensions along the arrivals median island to accommodate passenger queuing; dedicating the inner roadway on the lower level to only LAWA shuttles; and reallocating commercial vehicle passenger loading zones along the entirety of the CTA curbside. These facility and operational changes went into effect at the end of October 2019. It should be noted that these facilities did not create additional airport trips, but rather reallocated existing trips to different areas within the CTA.

Methodology:

The following methodology was used in calculating the overall traffic volumes accessing and egressing LAX. The Land Use and Development Section of the Los Angeles Department of Transportation (LADOT) approved this methodology, which has been used consistently for the annual LAX Traffic Generation reports since 2005.

LAX Central Terminal Area (CTA) Roadways:

All traffic entering and exiting the LAX CTA is recorded by LAWA’s Traffic and Automated Vehicle Identification System (TRAVIS), with the exception of TNC and Taxi pickups at LAX-it after October 2019. TRAVIS includes electro-magnetic loop detectors imbedded in each travel lane of entry and exit roadways. Traffic information is continuously recorded on this database and is retrievable by LAWA staff for a variety of time intervals, including hourly counts. Vehicle type is not distinguished by the loop

sensors; therefore, each vehicle regardless of size is considered as a single trip either into or out of the LAX CTA. A “trip” is defined as the entrance or exit of a vehicle from the airport or airport-related property. Traffic entering LAX-it is recorded via video detection at the entry points into the facility and is reported to a separate database that is also accessible by LAWA staff, and is currently not connected to TRAVIS.

Database traffic counts and video counts for LAX-it for Fridays in August 2020 were retrieved and averaged for the morning (8 am to 9 am), airport (11 am to noon) and evening (5 pm to 6 pm) peak hours. **Table 1** shows the number of inbound and outbound trips for the three peak hours, along with the average number of trips for each peak hour.

LAX Central Terminal Area - Traffic Volumes by Direction

Date	Inbound			Outbound		
	8-9 AM	11AM- Noon	5-6 PM	8-9 AM	11AM- Noon	5-6 PM
8/07/20	1,984	2,591	1,844	1,972	2,594	2,019
8/14/20	2,090	2,635	1,971	1,981	2,667	2,054
8/21/20	2,029	2,657	1,950	1,923	2,600	2,211
8/28/20	1,992	2,581	1,950	1,929	2,536	2,116
Average	2,024	2,616	1,929	1,951	2,599	2,100

Table 1

The total number of trips into and out of the LAX CTA on each of the Fridays in August 2020, along with their averages, is summarized in **Table 2**.

LAX Central Terminal Area - Total Traffic Volumes

Date	Total		
	8-9 AM	11AM- Noon	5-6 PM
8/07/20	3,956	5,185	3,863
8/14/20	4,071	5,302	4,025
8/21/20	3,952	5,257	4,161
8/28/20	3,921	5,117	4,066
Average	3,975	5,215	4,029

Table 2

World Way West:

All traffic eastbound and westbound on World Way West east of Pershing Drive was recorded through the use of automated traffic counters temporarily installed by the City of Los Angeles Department of Transportation at LAWA’s request. The volumes recorded on World Way West account for traffic heading to and leaving airport facilities on the west side of LAX. A summary of the volumes are included in **Table 8**.

Driveways

Traffic during the three peak hours was counted at over 54 airport-related driveways. The counts were conducted by Metro Traffic Data, a privately owned and operated traffic data collection company under contract by LAWA. Individual counts were required at these locations because traffic volumes are not recorded by the automated, loop-detector system. Traffic entering and exiting a roadway or driveway was counted using three vehicular categories – cars, trucks and shuttles. See **Figure 1** for a map of the facilities at which driveway counts were recorded and see **Table 8** for the Trip Generation Table for these facilities.

Cargo/Ancillary Facilities:

Metro Traffic Data recorded traffic at the following cargo facility driveways on Friday, September 4th, 2020. The traffic counts are shown in Table 8.

Aviation Blvd (west leg of intersection) locations:

- 104th Street
- 111th Street

Century Blvd (south leg of intersection) locations:

- Avion Drive
- Airport Blvd
- Postal Road
- International Road

Imperial Highway (north leg of intersection) locations:

- Imperial Terminal
- California Street
- Hughes Way
- Unsignalized driveway east of Hughes Way
- Kilroy Center Drive
- Douglas Street
- Unsignalized driveway between Kilroy Center Drive and Aviation Blvd

Five driveways along the north side of Imperial Highway and one driveway along the south side of Century Blvd have very limited traffic volumes throughout the day. For the purposes of this study, a total of 50 vehicles were added to the cargo/ancillary traffic volumes recorded for each peak hour to account for the traffic using these six driveways. Because traffic entering and exiting these minor driveways is infrequent, this estimate represents a conservatively high volume of traffic for these six driveways.

Traffic Count Map

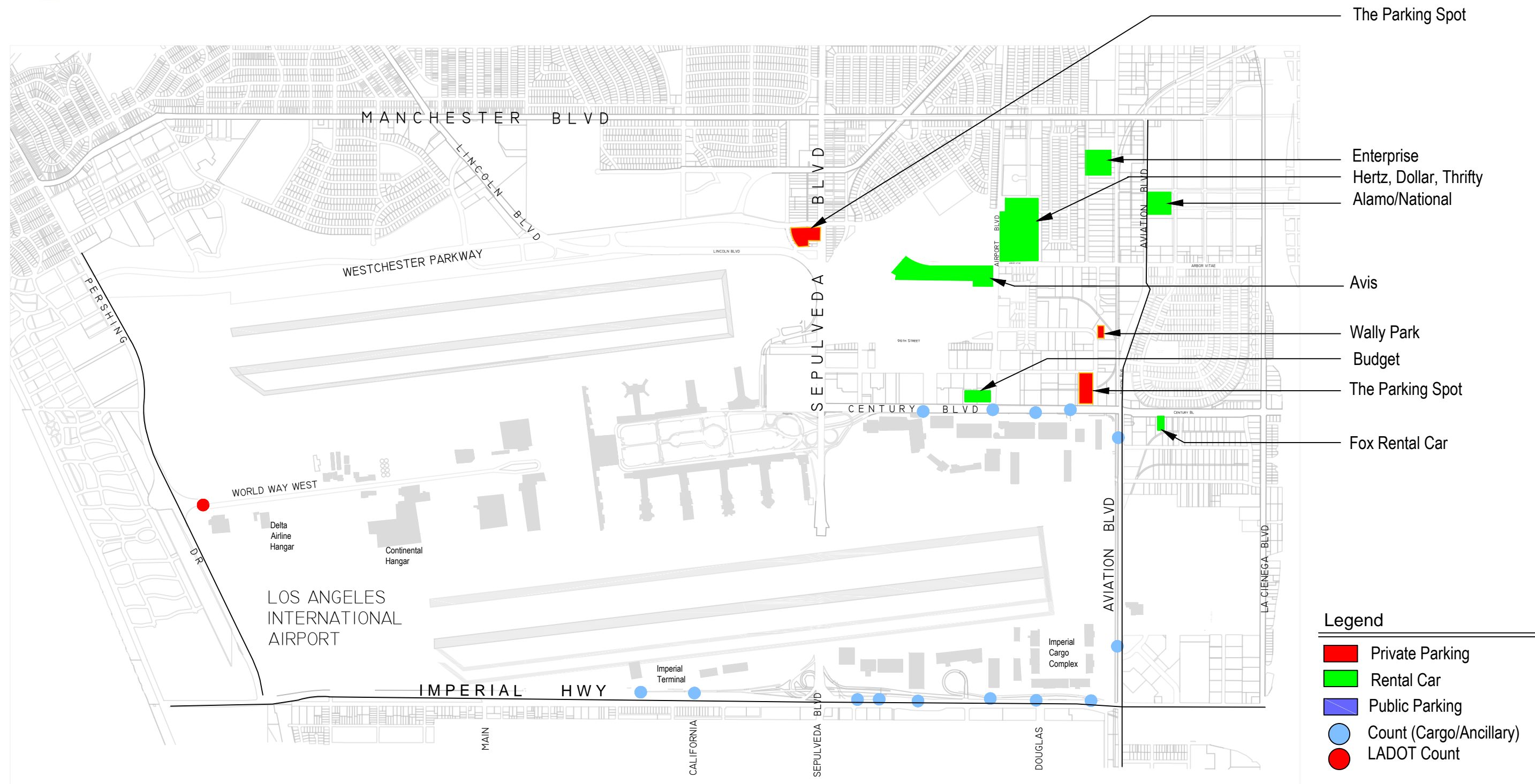


Figure 1

Airport Operated Public Parking Lots

In response to COVID-19 and lower passenger traffic numbers, the public parking lot known as Economy Lot E was closed and its shuttle service was suspended. At the time of data collection, the lot was already closed to the public, thus no counts were provided.

Airport Operated Employee Parking Lots

In response to COVID-19 and lower passenger traffic numbers, and closed concessions within the terminals, all Employee Lots were closed and additional parking passes were issued for the CTA parking structures to reduce the need of shuttling. At the time of data collection, these employee lots were already closed, thus no counts were provided.

Rental Car Locations:

In total, there are eleven car rental companies that are allowed to provide shuttle service between the LAX CTA and their individual facility. The number of autos and shuttles entering and exiting the following locations were recorded at the following locations on two Fridays, in August 2020 and the first Friday in September. The traffic counts for these driveways are shown in Table 8. This year, Jenny Ave between Westchester Parkway and 96th St was closed due to the Automated People Mover (APM) construction. This removed three driveways used in the previous surveys. In addition, due to COVID-19 impact, at least one rental car company, Advantage Rent-A-Car, is no longer in operation at LAX, while others have consolidated operations to a new location, such as Dollar and Thrifty.

Alamo and National – Aviation Blvd and Hillcrest Blvd, SE corner:

- Three driveways on Aviation Blvd south of Hillcrest Blvd
- Car return driveway on Hillcrest Blvd east of Aviation Blvd
- Exit Driveway on Isis Ave s/o Hillcrest St

Avis – Airport Blvd/Westchester Pkwy/Jenny Ave:

- Driveway on Airport Blvd south of Westchester Parkway

Budget – Airport Blvd and 98th Street, NW corner:

- Driveway on Airport Blvd
- Driveways on 96th Place
- Driveway on 98th Street

Enterprise – Bellanca Ave between Manchester Ave and Arbor Vitae St:

- Five driveways on Bellanca Ave

Fox/Payless – Century Blvd, south side, between Aviation Blvd and Concourse Way:

- Driveway at 5500 West Century Blvd
- Exit driveway on 102nd St

Hertz, Dollar, & Thrifty – Airport Blvd between Interceptor Street and Arbor Vitae Street:

- Shuttle entrance driveway on Airport Blvd north of Arbor Vitae Street
- Driveway on Interceptor Street east of Airport Blvd
- Two exit driveways on Arbor Vitae Street

Sixt Rental Car

- Two driveways on Bellanca Avenue

Off-Airport Rental Car Company Lot:

Off-airport car rental companies are not permitted to drop-off or pickup customers in the CTA. Instead, a pickup and drop-off location for the patrons of these companies is located at the southeast corner of Airport Boulevard and Century Boulevard. This facility is used only by a few off-airport rental car companies. Driveway counts were not recorded at this facility since the driveways are shared with the US Postal Facility. Therefore, for purposes of this report, six (6) rental car trips per peak hour were added to the rental car facilities trip generation totals. This is considered a conservatively high number that would account for the rental car shuttles using this facility.

Cell Phone Waiting Lot:

The LAX Cell Phone Waiting Lot is located on the northwest corner of 96th Street and Vicksburg Avenue. Drivers in private vehicles are permitted to wait in this lot before coming into the CTA to pick up passengers. Driveway counts were not recorded at this facility since this traffic is counted when they enter and exit the CTA to pick up their party at the terminal.

Private Airport Parking Facilities:

Traffic was recorded at the following private parking facility driveways. These facilities are exclusively used for parking and are not affiliated with a hotel or office building. It was conservatively assumed that all traffic entering or exiting these facilities is airport related. Since these facilities cater to customers unrelated to the airport, the traffic volumes used in this report are likely to be somewhat inflated.

During the August 2020 collection period, a number of facilities previously recorded were either not operational or mixed with hotel shuttle operations. These facilities were omitted from the Private Airport Parking list.

Parking Spot – Bellanca Ave from Century Blvd to 98th Street:

- Two driveways on Bellanca Ave
- Driveway on 98th Street
- Car entrance driveway on Century Blvd

Parking Spot – Sepulveda Blvd/Westchester Pkwy/Sepulveda Eastway:

- Driveway on Sepulveda Westway
- Driveway on Westchester Pkwy

Wally Park – Bellanca Ave, east side, north of 98th Street:

- Two driveways on Bellanca Ave

Other Private Airport Parking Facilities:

Similar to the private parking facilities referenced above, other off-airport, private parking operators also provide shuttle service for their customers to and from LAX terminals. However, these parking operators also cater to customers who park in their facilities but who are not going to the airport. Therefore, the following methodology was established to estimate the volume of airport trips at these joint-use parking facilities where manual traffic counts were not conducted.

Using the volume of car trips and the volume of shuttle trips manually recorded at the driveways of Parking Spot (Century), Parking Spot (Sepulveda), and Wally Park, the following trip generation factors were calculated:

Private Parking Car Trips per Inbound Shuttle

AM	50 trips/ 18 shuttles = 2.78 trips/shuttle
AP	44 trips/ 24 shuttles = 1.83 trips/shuttle
PM	25 trips/ 17 shuttles = 1.47 trips/shuttle

Private Parking Car Trips per Outbound Shuttle

AM	13 trips/ 18 shuttles = 0.72 trips/shuttle
AP	33 trips/ 20 shuttles = 1.65 trips/shuttle
PM	27 trips/ 17 shuttles = 1.59 trips/shuttle

The number of shuttles recorded in the LAX CTA on the four Fridays in August 2020 by the joint-use parking businesses was obtained from the TRAVIS (Commercial Vehicle Count) database. It is assumed that the same number of car trips per shuttle trip made by facilities such as Parking Spot or Wally Park would also be generated by other off-airport parking facilities. The total number of shuttle trips made during each peak hour on Fridays in August 2020 by the joint-use, off-airport parking facilities is shown in **Table 3**.

**In/Out Shuttle Trips by Other
Off-Airport Parking Facilities**

Date	Peak Hour		
	AM	AP	PM
8/07/20	7	9	8
8/14/20	10	7	5
8/21/20	9	8	8
8/28/20	10	6	8
Rounded Average	9	8	8

Table 3

In January 2017, private parking shuttles began operating exclusively on the upper (departures) level roadway of the CTA. Hotel shuttles began operating exclusively on the lower (arrivals) level roadway. Providers who had previously operated both as a dual purpose (private parking and hotel) shuttle were forced to choose to operate as either a hotel or a private parking shuttle. All the previously dual-branded shuttles chose to operate as a hotel shuttle on the lower level.

In August, 2018, the private parking shuttle operators relocated from the upper level to the lower level roadway. Passengers were dropped off and picked up at the same lower level commercial curb as the hotel shuttles.

In October 2019, private parking, hotel, and dual-branded shuttle operators were relocated from the lower level commercial curb to the upper level roadway with zones designated between terminal buildings.

Multiplying the calculated trips-per-shuttle ratios with the average number of shuttle trips attributable to the off-airport private parking facilities where driveways were not manually recorded results in the totals shown in **Table 4** below. This provides an estimate of the number of inbound and outbound car trips generated at the remaining parking facilities that are related to LAX.

**Inbound Car Trips for Off-Airport Parking Facilities
Where Driveways Were Not Counted**

Peak Hour	Adjustment Factor (Trips per Shuttle)		Number of Shuttles	=	No. of Trips
AM	2.78	X	9	=	26
Airport	1.83	X	8	=	15
PM	1.47	X	8	=	12

**Outbound Car Trips for Off-Airport Parking Facilities
Where Driveways Were Not Counted**

Peak Hour	Adjustment Factor (Trips per Shuttle)		Number of Shuttles	=	No. of Trips
AM	0.72	X	9	=	7
Airport	1.65	X	8	=	14
PM	1.59	X	8	=	13

Table 4

To avoid “double counting,” shuttle trips from private parking facilities and from rental car facilities are only counted as they enter and exit the CTA. For example, a shuttle that exits the Wally Park facility and enters the CTA is counted as a single trip. The same shuttle exiting the CTA is counted as another single trip, but is not counted again as it enters the Wally Park driveway.

Projects Currently Under Construction:

The following airport-related projects are currently under construction:

- **Midfield Satellite Concourse (MSC)**

The MSC is being constructed west of the Tom Bradley International Terminal. No traffic lanes are closed during this construction. Peak hour trips to and from this construction site would have been included in the traffic counts taken on World Way West.

- **United Airlines Hangar**

United Airlines is constructing a new aircraft hangar on the south side of Century Blvd and Avion Drive located east of the CTA. A new bypass road was built just south of Lot F and construction limits neighbor active cargo facilities along Avion Dr. Peak hour trips to and from this construction site would have been included in the traffic counts taken at cargo driveways.

- **Terminal 1.5**

This project is constructing a new building between Terminals 1 and 2. The new facility will ease congestion and provide connectivity between the two terminals – both within the ticketing and check in portion as well as post-security screening. LAX Terminal 1.5’s post-security airside pedestrian connection means passengers connecting between the two terminals will no longer have to leave the secure area of the concourse, exit the building and go through security again to make a connection.

- **ITF-West**

Intermodal Transportation Facility West (ITF-W) is constructing a new parking structure located at the southeast corner of Jetway Boulevard and 94th Street. The facility and the roadways are project elements of the Landside Access Modernization Program (LAMP). This project will provide over 4,000 new parking stalls and is currently programed to house a new Security Badging Office.

Summary of Peak Hour Counts:

While Subsection C, *Project Trip Generation*, of Section 12, *Transportation Regulations*, of the LAX Specific Plan¹ uses the airport peak hour as its basis for trip generation reporting, a summary of the final traffic datum is presented for all three peak hours: **Table 5** (AM Peak), **Table 6** (Airport Peak) and **Table 7** (PM Peak). The Airport Peak Hour traffic volumes for the last fourteen years are shown on **Figure 2**.

As expected, the Airport Peak Hour traffic count total of 8,066 trips is higher than the counts recorded for the AM and PM peak hours. The August 2020 AM peak hour volume is 6,217 trips and the August 2020 PM peak hour volume is 6,428 trips. The traffic counts show that August 2020 AM and PM trips were ~40% of 2019 August trips. While the 2020 Airport peak hour, noon trips, were 46% of trips recorded at the same time last year.

¹ Ordinance Amendment: 185164, 9/8/17

2020 TRIP GENERATION SUMMARY FOR LAX - 8 AM TO 9 AM

Airport Facility	2006 Traffic Counts	2007 Traffic Counts	2008 Traffic Counts	2009 Traffic Counts	2010 Traffic Counts	2011 Traffic Counts	2012 Traffic Counts	2013 Traffic Counts	2014 Traffic Counts	2015 Traffic Counts	2016 Traffic Counts	2017 Traffic Counts	2018 Traffic Counts	2019 Traffic Counts	2020 Traffic Counts
CTA	7,750	6,771	6,383	6,229	6,274	6,295	6,388	6,174	7,273	7,782	9,104	9,225	9,421	10,129	3,975
RAC/Rental Car Facilities (1)	1,342	1,261	1,239	956	1,011	1,038	1,273	1,042	1,208	1,419	1,429	1,528	1,768	1,584	489
LAX Public Parking Lots (5)	149	145	165	145	100	87	68	84	150	106	112	118	52	49	0
Employee Parking (6)	493	534	524	446	393	387	417	436	570	549	507	506	438	390	0
Private Parking (2)	389	427	388	359	331	294	285	360	437	462	379	374	583	569	96
World Way West	649	580	648	598	503	490	559	544	520	611	496	547	568	518	324
Cargo and Ancillary (3)	1,891	2,036	1,971	1,641	1,733	2,031	1,914	1,765	1,831	1,649	1,827	1,888	1,915	1,858	1,313
LAX Northside (4)	0	0	20	20	20	20	20	20	20	20	20	20	20	20	20
TOTAL	12,663	11,754	11,338	10,394	10,365	10,642	10,924	10,425	12,009	12,598	13,874	14,206	14,765	15,117	6,217

- (1) 6 vehicle trips were added to the 2016 through 2020 rental car facility counts to account for shuttles to/from the off-airport rental car facility at the southeast corner of Airport and Century Boulevards
- (2) Per Table 4, 26 inbound and 7 outbound car trips were added to the 2020 counts to account for parking facilities where traffic counts were not recorded manually.
- (3) 50 vehicle trips were added to each annual count total to account for traffic at 6 minor driveways (5 of which are on Imperial Hwy)
- (4) 20 vehicle trips were added to the 2008 through 2020 counts to account for traffic at the fire station on Emerson Avenue n/o Westchester Parkway
- (5) Lot C Economy parking [closed] was relocated to Lot E in Mar 2019. Lot E was closed on April 30, 2020 due to Covid-19.
- (6) Employee Parking Lots were closed due to Covid-19 and employees utilized mostly-vacant structures in the CTA.

Table 5

2020 TRIP GENERATION SUMMARY FOR LAX - 11 AM TO NOON

Airport Facility	2006 Traffic Counts	2007 Traffic Counts	2008 Traffic Counts	2009 Traffic Counts	2010 Traffic Counts	2011 Traffic Counts	2012 Traffic Counts	2013 Traffic Counts	2014 Traffic Counts	2015 Traffic Counts	2016 Traffic Counts	2017 Traffic Counts	2018 Traffic Counts	2019 Traffic Counts	2020 Traffic Counts
CTA	9,841	9,346	9,419	9,021	9,312	9,000	9,046	9,035	9,800	10,559	11,434	11,592	11,582	11,184	5,215
RAC/Rental Car Facilities (1)	1,890	1,829	1,727	1,559	1,605	1,781	1,761	1,886	1,989	2,183	2,203	2,320	2,662	2,302	801
LAX Public Parking Lots (5)	177	226	172	172	122	68	77	72	137	81	118	117	55	56	0
Employee Parking (6)	394	384	548	508	409	862	480	511	642	649	602	617	534	624	0
Private Parking (2)	294	461	405	373	449	520	314	436	398	470	364	317	475	590	106
World Way West	668	737	833	628	607	648	708	578	602	614	577	695	812	701	435
Cargo and Ancillary (3)	1,993	2,094	1,983	1,636	1,739	1,802	1,875	1,865	1,857	1,810	1,899	2,376	2,415	2,020	1,489
LAX Northside (4)	0	0	20	20	20	20	20	20	20	20	20	20	20	20	20
TOTAL	15,257	15,077	15,107	13,917	14,263	14,701	14,281	14,403	15,445	16,386	17,217	18,054	18,555	17,497	8,066

(1) 6 vehicle trips were added to the 2016 through 2020 rental car facility counts to account for shuttles to/from the off-airport rental car facility at the southeast corner of Airport and Century Boulevards

(2) Per Table 4, 15 inbound and 14 outbound car trips were added to the 2020 counts to account for parking facilities where traffic counts were not recorded manually.

(3) 50 vehicles were added each annual count to account for traffic at 6 minor driveways (5 of which are on Imperial Hwy)

(4) 20 vehicle trips were added to the 2008 through 2020 counts to account for traffic at the fire station on Emerson Avenue n/o Westchester Parkway

(5) Lot C Economy parking [closed] was relocated to Lot E in Mar 2019. Lot E was closed on April 30, 2020 due to Covid-19.

(6) Employee Parking Lots were closed due to Covid-19 and employees utilized mostly-vacant structures in the CTA.

Table 6

2020 TRIP GENERATION SUMMARY FOR LAX - 5 PM TO 6 PM

Airport Facility	2006 Traffic Counts	2007 Traffic Counts	2008 Traffic Counts	2009 Traffic Counts	2010 Traffic Counts	2011 Traffic Counts	2012 Traffic Counts	2013 Traffic Counts	2014 Traffic Counts	2015 Traffic Counts	2016 Traffic Counts	2017 Traffic Counts	2018 Traffic Counts	2019 Traffic Counts	2020 Traffic Counts
CTA	8,714	8,120	8,052	7,300	7,431	7,478	7,153	7,562	8,328	8,839	10,231	10,522	9,945	10,108	4,029
RAC/Rental Car Facilities (1)	1,242	1,172	1,120	938	981	1,319	1,478	1,263	1,214	1,491	1,390	1,782	1,817	1,557	661
LAX Public Parking Lots (5)	180	257	206	220	164	108	92	112	144	120	133	137	37	49	0
Employee Parking (6)	548	591	637	633	612	597	613	533	629	723	663	699	584	569	0
Private Parking (2)	395	601	423	424	483	562	439	457	344	503	392	337	373	538	77
World Way West	451	373	506	356	307	284	327	306	352	323	287	353	401	395	212
Cargo and Ancillary (3)	2,359	2,411	2,128	2,152	2,137	2,029	2,339	1,965	2,131	2,231	2,817	2,870	2,836	2,739	1,429
LAX Northside (4)	0	0	20	20	20	20	20	20	20	20	20	20	20	20	20
TOTAL	13,889	13,525	13,092	12,043	12,135	12,397	12,461	12,218	13,162	14,250	15,933	16,720	16,013	15,975	6,428

- (1) 6 vehicle trips were added to the 2016 through 2020 rental car facility counts to account for shuttles to/from the off-airport rental car facility at the southeast corner of Airport and Century Boulevards
- (2) Per Table 4, 12 inbound and 13 outbound car trips were added to the 2020 counts to account for parking facilities where traffic counts were not recorded manually.
- (3) 50 vehicles were added to the 2005 through 2020 counts to account for traffic at 6 minor driveways (5 of which are on Imperial Hwy)
- (4) 20 vehicle trips were added to the 2008 through 2020 counts to account for traffic at the fire station on Emerson Avenue n/o Westchester Parkway
- (5) Lot C Economy parking [closed] was relocated to Lot E in Mar 2019. Lot E was closed on April 30, 2020 due to Covid-19.
- (6) Employee Parking Lots were closed due to Covid-19 and employees utilized mostly-vacant structures in the CTA.

Table 7

Airport Peak Hour (11 AM - Noon) Traffic Volumes

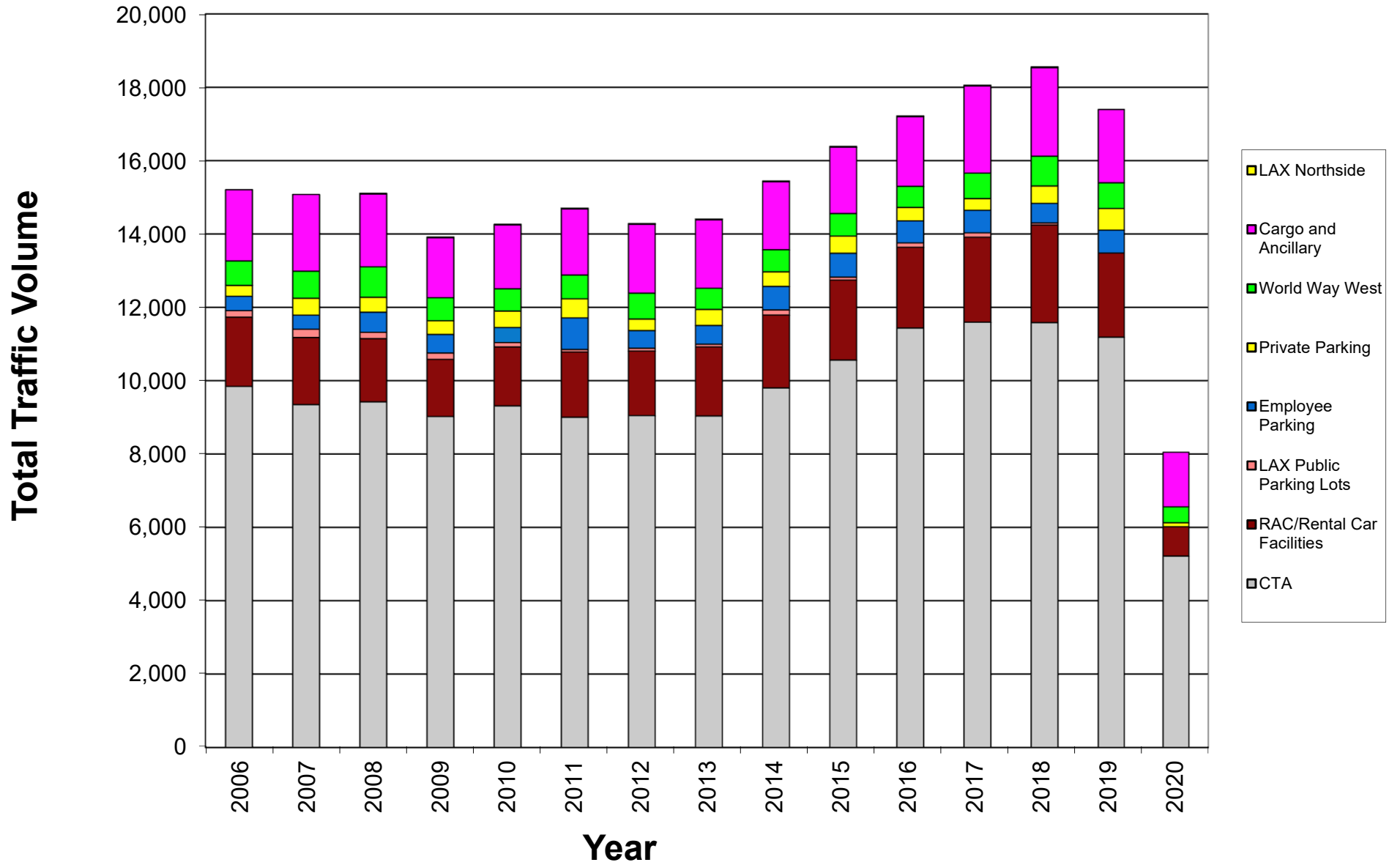


Figure 2

FlyAway Program:

The LAX FlyAway is a low-cost shuttle service operating between a remote parking facility and LAX. While nine FlyAway sites started in 1975, four remain in operation. Two sites were closed this year due to impacts of COVID-19.

FlyAway Service History

	Start of Service	End of Service	Operating
Van Nuys	1975		Yes
Union Station	March 2006		Yes
Westwood/UCLA	June 2007	June 2019	
Irvine Transp. Ctr.	November 2009	Summer 2012	
Exposition Light Rail	Spring 2013	September 2014	
Santa Monica	July 2014	September 2016	
Hollywood	September 2014	March 2020	No (Suspended)
Long Beach	December 2015	March 2020	No (Suspended)
Orange Light Rail Line	December 2015	Jan 2019	

The ridership totals for the month of August during the last fifteen years are shown in **Figure 3**. The FlyAway program has helped to reduce the number of private vehicles into and out of the LAX CTA. At the time of data collection in August 2020, the Hollywood and Long Beach routes were suspended due to impacts of COVID-19. Figure 3 shows a dramatic drop, over 80%, in 2020 FlyAway passenger ridership compared to same time in 2019 as a result of COVID-19.

Annual FlyAway Ridership

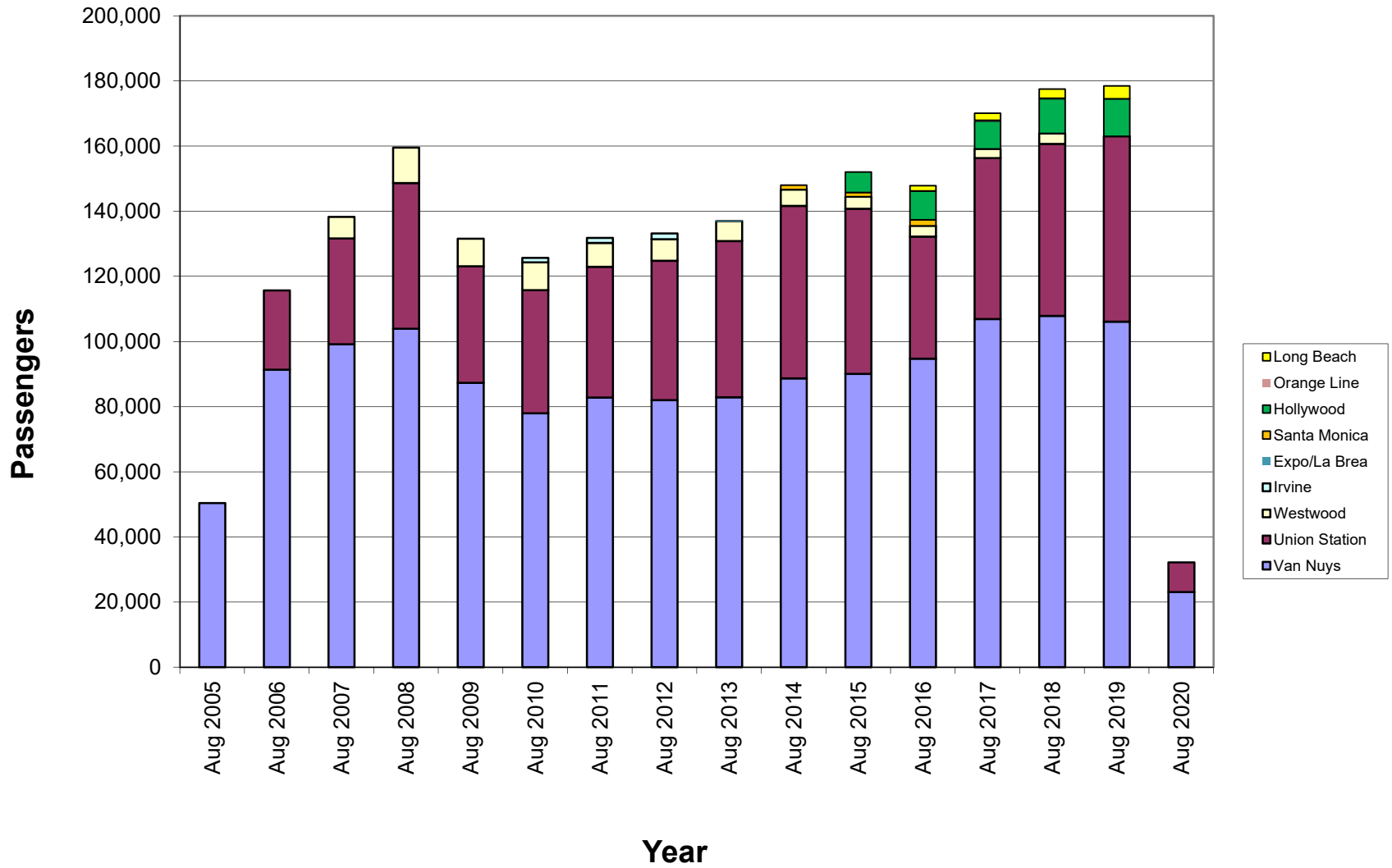


Figure 3

2020 LAX Trip Generation Table

LOCATION			Traffic Volumes Inbound												Traffic Volumes Outbound											
			AM (8 AM - 9 AM)				AP (11 AM - Noon)				PM (5 PM - 6 PM)				AM (8 AM - 9 AM)				AP (11 AM - Noon)				PM (5 PM - 6 PM)			
			Cars	Trucks	Shuttles	Total	Cars	Trucks	Shuttles	Total	Cars	Trucks	Shuttles	Total	Cars	Trucks	Shuttles	Total	Cars	Trucks	Shuttles	Total	Cars	Trucks	Shuttles	Total
Date Recorded	Day																									
Airport Employee Parking																										
0 - Police Parking Lot - Entry/exit driveway on the west side of Alverstone Avenue n/o 96th Street	8/21/2020	FRI	1	0	0	1	3	0	0	3	1	0	0	1	1	0	0	1	2	0	0	2	0	0	0	
1 - Police Parking Lot - Entry/exit driveway on the east side of Alverstone Avenue n/o 96th Street	8/21/2020	FRI	1	0	0	1	2	0	0	2	1	0	0	1	4	0	0	4	1	0	0	1	1	0	1	
2 - Police Parking Lot - Entry/Exit driveway on south side of 96th St (rolling gate)	8/21/2020	FRI	3	0	0	3	3	0	0	3	2	0	0	2	5	0	0	5	3	0	0	3	3	0	3	
Subtotal			5	0	0	5	8	0	0	8	4	0	0	4	7	0	0	7	7	0	0	7	4	0	4	
World Way West																										
World Way West	8/14/2020	FRI				185			208				91				139				227			121		
Subtotal			0	0	0	185	0	0	0	208	0	0	0	91	0	0	0	139	0	0	0	227	0	0	121	
Cargo Facilities																										
3 - Cargo Facilities (104th & Aviation)	9/4/2020	FRI	12	3	0	15	10	7	0	17	3	6	0	9	6	2	0	8	13	11	1	25	10	3	1	
4 - Cargo Facilities (111th & Aviation)	9/4/2020	FRI	65	33	1	99	65	39	2	106	56	36	2	94	44	44	1	89	56	48	4	108	81	53	1	
5 - Cargo Facilities (Avion & Century)	9/4/2020	FRI	48	17	0	65	63	12	0	75	34	14	0	48	47	25	0	72	81	22	0	103	57	16	0	
6 - Cargo Facilities (Airport & Century)	9/4/2020	FRI	59	16	1	76	70	19	1	90	48	16	0	64	59	18	1	78	65	9	1	75	47	15	0	
7 - Cargo Facilities (Postal & Century)	9/4/2020	FRI	33	9	1	43	34	14	0	48	23	13	0	36	17	8	0	25	25	10	0	35	16	4	0	
8 - Cargo Facilities (International & Century)	9/4/2020	FRI	21	14	0	35	45	19	1	65	29	11	0	40	25	6	0	31	26	9	1	36	22	5	0	
9 - Cargo Facilities (Imp Hwy & Imp Terminal)	9/4/2020	FRI	29	13	2	44	35	11	4	50	26	6	0	32	13	6	1	20	35	11	0	46	32	11	0	
10 - Cargo Facilities (Imp Hwy & California St)	9/4/2020	FRI	50	9	0	59	34	20	0	54	30	13	0	43	30	8	0	38	38	9	0	47	46	18	0	
11 - Cargo Facilities (Imp Hwy & Hughes)	9/4/2020	FRI	61	17	0	78	56	17	1	74	43	33	1	77	50	22	0	72	65	22	0	87	64	32	2	
12 - Cargo Facilities (Imp Hwy & e/o Hughes)	9/4/2020	FRI	33	25	0	58	30	11	0	41	85	24	0	109	35	6	0	41	25	11	1	37	24	3	0	
13 - Cargo Facilities (Imp Hwy & Kilroy)	9/4/2020	FRI	6	0	0	6	1	3	0	4	8	3	0	11	3	2	0	5	4	1	0	5	6	2	0	
14 - Cargo Facilities (Imp Hwy & Douglas)	9/4/2020	FRI	52	26	0	78	63	21	0	84	31	36	1	68	35	31	0	66	65	20	0	85	65	43	1	
15 - Cargo Facilities (Imp Hwy & e/o Douglas)	9/4/2020	FRI	28	16	0	44	17	11	0	28	27	21	0	48	14	4	0	18	11	3	0	14	16	4	0	
Subtotal			497	198	5	700	523	204	9	736	443	232	4	679	378	182	3	563	509	186	8	703	486	209	5	
Rental Car Facilities																										
*Advantage - driveway on Isis Ave and driveway on Manchester Blvd e/o Isis Ave (OOB)	8/28/2020	FRI	1	0	0	1	0	0	0	0	1	0	0	1	1	0	0	1	0	0	0	0	4	0	0	
Alamo/National - 3 driveways on Aviation Boulevard s/o Hillcrest Boulevard	8/28/2020	FRI	12	0	0	12	17	0	15	32	27	0	13	40	0	0	0	0	1	0	0	1	0	0	0	
Alamo/National - entry driveway on Hillcrest Boulevard e/o Aviation Boulevard	8/28/2020	FRI	35	0	0	35	26	0	0	26	39	0	0	39	0	0	0	0	0	0	0	0	0	0	0	
Alamo/National - driveway on Isis Ave s/o Hillcrest Blvd	8/28/2020	FRI	1	0	0	1	2	0	0	2	1	0	0	1	7	0	0	7	19	0	0	19	13	0	0	
Avis - two driveways on Airport Boulevard s/o Westchester Parkway	8/21/2020	FRI	33	0	0	33	55	0	0	55	18	0	0	18	5	0	0	5	10	0	0	10	11	0	0	
Avis - driveway s/o Westchester Pkwy, w/o Jenny	9/4/2020	FRI	0	0	8	8	0	0	11	11	1	0	7	8	0	0	0	0	0	0	0	0	1	0	0	
Budget - entry driveway on Airport Boulevard between 96th Place and 98th Street	9/4/2020	FRI	17	0	0	17	45	0	0	45	47	0	0	47	0	0	0	0	0	0	0	0	1	0	0	
Budget - driveway on 96th Place w/o Airport Boulevard	9/4/2020	FRI	6	0	0	6	16	0	0	16	11	0	0	11	2	0	0	2	18	0	0	18	14	0	0	
Budget - driveway on 98th Street w/o Airport Boulevard	9/4/2020	FRI	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	36	0	0	36	28	0	0	
*Dollar - Exit Driveway on Isis Avenue, W/S, north of Arbor Vitae Street (Relocated)	8/28/2020	FRI	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	1	0	0	
*Dollar - Two driveways on Aviation Boulevard, E/S, north of Arbor Vitae Street (Relocated)	CLOSED	FRI	x	x	x	0	x	x	x	0	x	x	x	0	x	x	x	0	x	x	x	0	x	x	0	
Enterprise - four driveways on Bellanca Avenue s/o Manchester Boulevard	8/28/2020	FRI	81	0	23	104	111	1	20	132	115	0	24	139	49	0	19	68	71	1	19	91	67	0	16	
Fox/Payless - Century Boulevard e/o Aviation Boulevard	8/28/2020	FRI	18	0	0	18	30	0	0	30	12	0	0	12	0	0	0	0	1	0	0	1	0	0	0	
Fox/Payless - Exit driveway on 102nd Street	8/28/2020	FRI	1	0	0	1	0	0	0	0	0	0	0	0	19	0	0	19	35	0	0	35	19	0	0	
Hertz - three driveways on Airport Boulevard and Arbor Vitae Street	8/28/2020	FRI	3	0	20	23	4	0	16	20	5	0	19	24	40	0	0	40	74	0	0	74	70	0	0	
Hertz - driveway on Interceptor Street off of Airport Boulevard	8/28/2020	FRI	65	3	0	68	102	3	0	105	71	0	0	71	44	1	22	67	57	2	16	75	39	1	18	
Sixt - Three driveways at 9000 Bellanca Avenue	8/28/2020	FRI	10	0	4	14	30	1	8	39	6	12	0	18	13	1	3	17	19	2	7	28	13	7	0	
*Thirty - driveway on Century Boulevard (Relocated)	8/28/2020	FRI	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	
*Thrifty - Shuttle driveway (taken from Automated Vehicle Identification data) (Relocated)		FRI				0				0				0				0				0			0	
Subtotal			283	3	66	352	439	5	70	514	357	12	63	432	191	2	44	237	342	5	42	389	281	8	34	
Off Airport Parking Facilities																										
The Parking Spot - driveways on Bellanca Avenue s/o 98th Street	9/4/2020	FRI	0	0	8	8	4	0	10	14	1	0	6	7	2	0	7	9	5	0	7	12	9	0	6	
The Parking Spot - driveway on 98th Street w/o Bellanca Avenue	9/4/2020	FRI	1	0	0	1	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	
The Parking Spot - driveway on Century Boulevard w/o Bellanca Avenue	9/4/2020	FRI	14	0	0	14	13	0	0	13	11	0	0	11	1	0	0	1	1	0	0	1	1	0	0	
*Wally Park Express - Driveways on Sepulveda and 96th St (Suspended)	8/21/2020	FRI	3	0	0	3	3	0	0	3	0	0	0	0	1	0	0	1	4	0	0	4	3	0	0	
Wally Park - two driveways on Bellanca Ave n/o 98th St	8/28/2020	FRI	15	0	4	19	7	0	5	12	3	0	4	7	7	0	5	12	6	0	6	12	11	0	3	
Parking Spot - two driveways on Westchester and Sepulveda	9/4/2020	FRI	20	0	6	26	20	0	9	29	8	0	7	15	3	0	6	9	21	0	7	28	6	0	8	
*Quick Park - Entry/exit driveway on the south side of 98th Street w/o Vicksburg Ave (H/M)	9/4/2020	FRI	30	0	7	37	21	0	7	28	22	0	6	28	0	0	0	0	0	0	0	0	0	0	0	
Subtotal			83	0	25	108	68	0	31	99	47	0	23	70	14	0	18	32	37	0	20	57	30	0	17	

* Driveways omitted due to business closure, suspension, relocation or change in operation.

Table 8