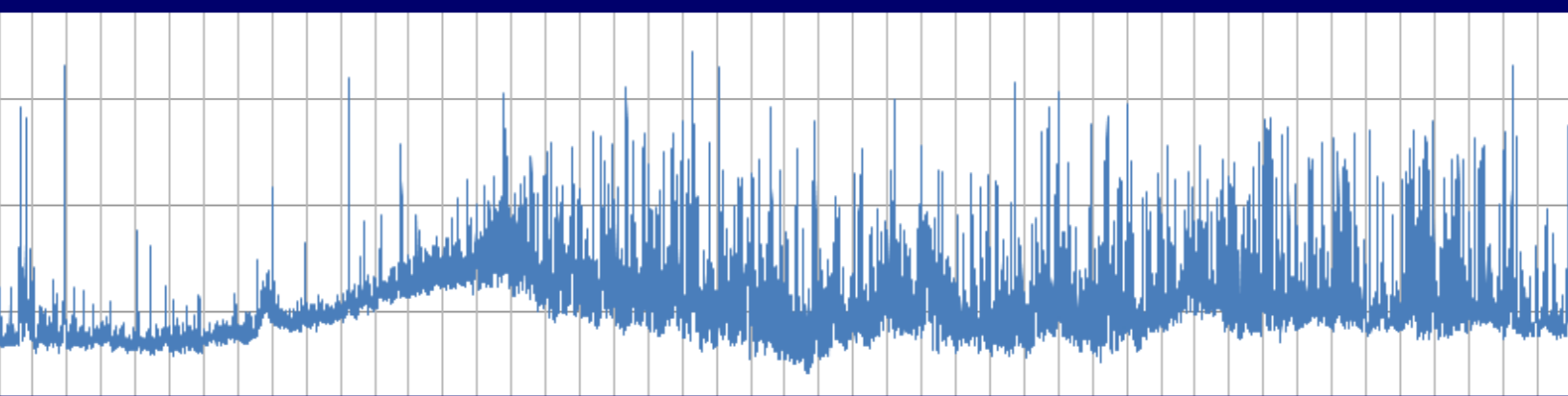




ST. LOUIS  
LAMBERT  
INTERNATIONAL  
AIRPORT™



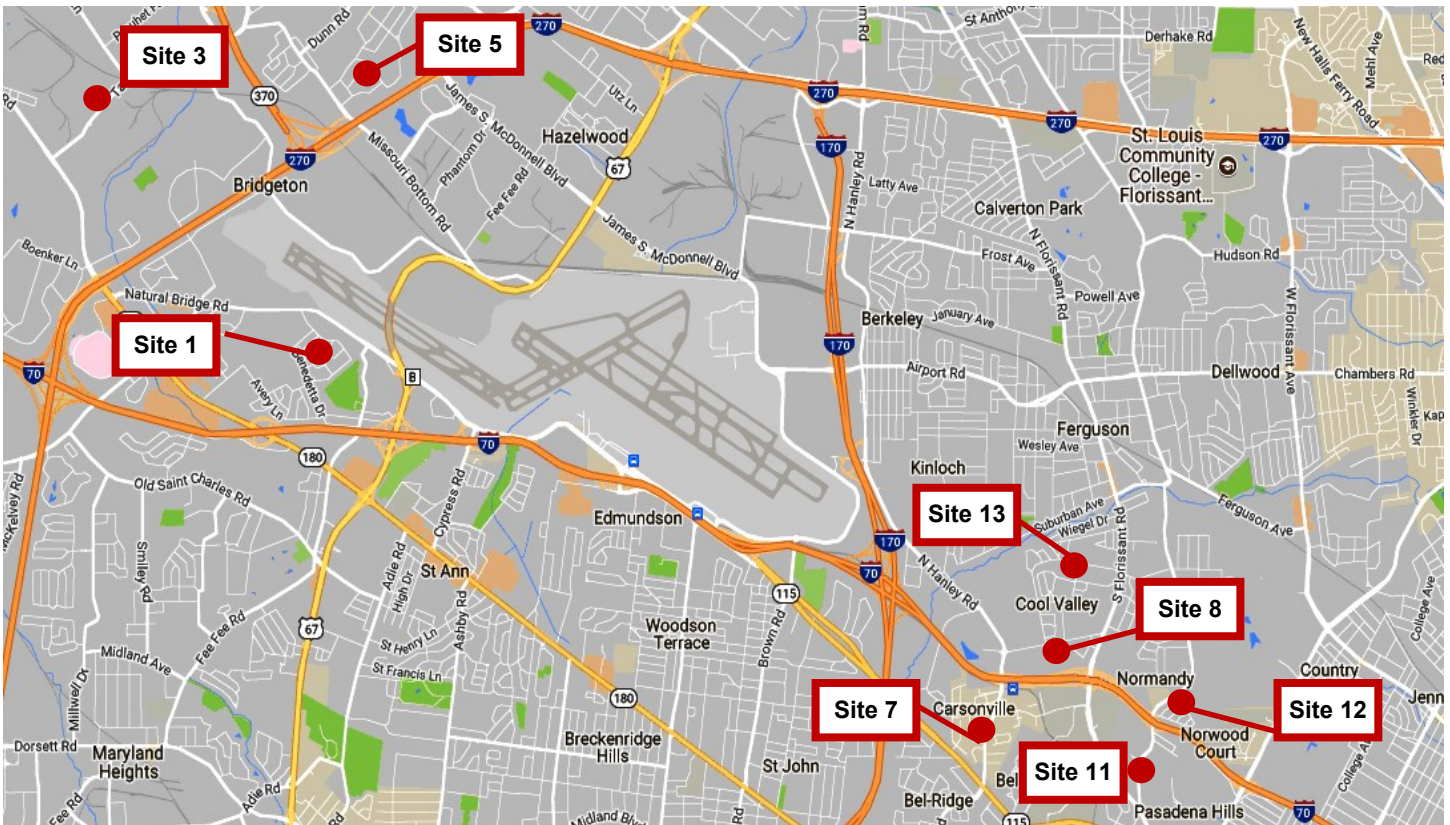
**AIRPORT NOISE  
MANAGEMENT REPORT  
2nd Quarter 2019**



## RUNWAY IDENTIFICATION

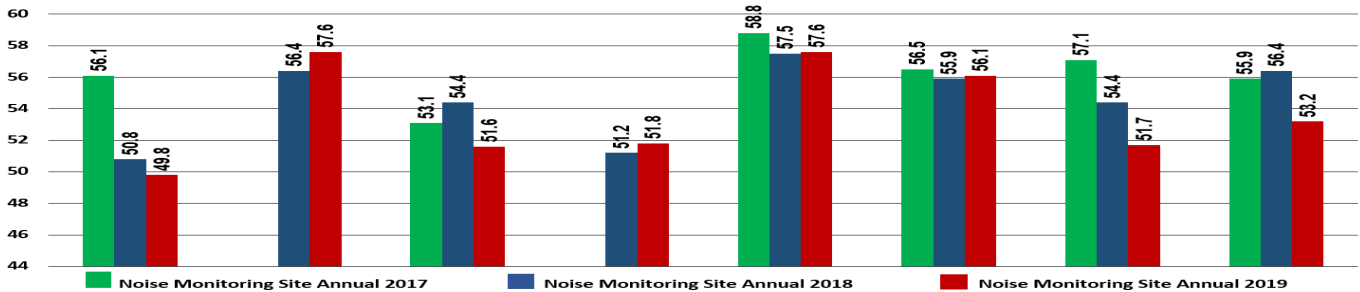
The runways at St. Louis Lambert International Airport are: 12R/30L (11,019'x200'), 12L/30R (9,003'x150'), 11/29 (9,001'x150'), and 6/24 (7,607'x150').

## PERMANENT NOISE MONITORING SITES



The DNL (Day-Night average sound level) metric describes the total noise exposure during a given period. In computing DNL, an extra weighting of 10dB is assigned to any sound levels occurring between the hours of 10 pm to 7 am. The FAA has established 65 DNL as the threshold above which aircraft noise is considered to be incompatible with residential use. The eight noise monitoring sites are recording levels lower than 65 DNL.

**Noise Monitoring Data  
1st Quarter Average DNL (Day/Night/Level)  
Years 2017-2019**



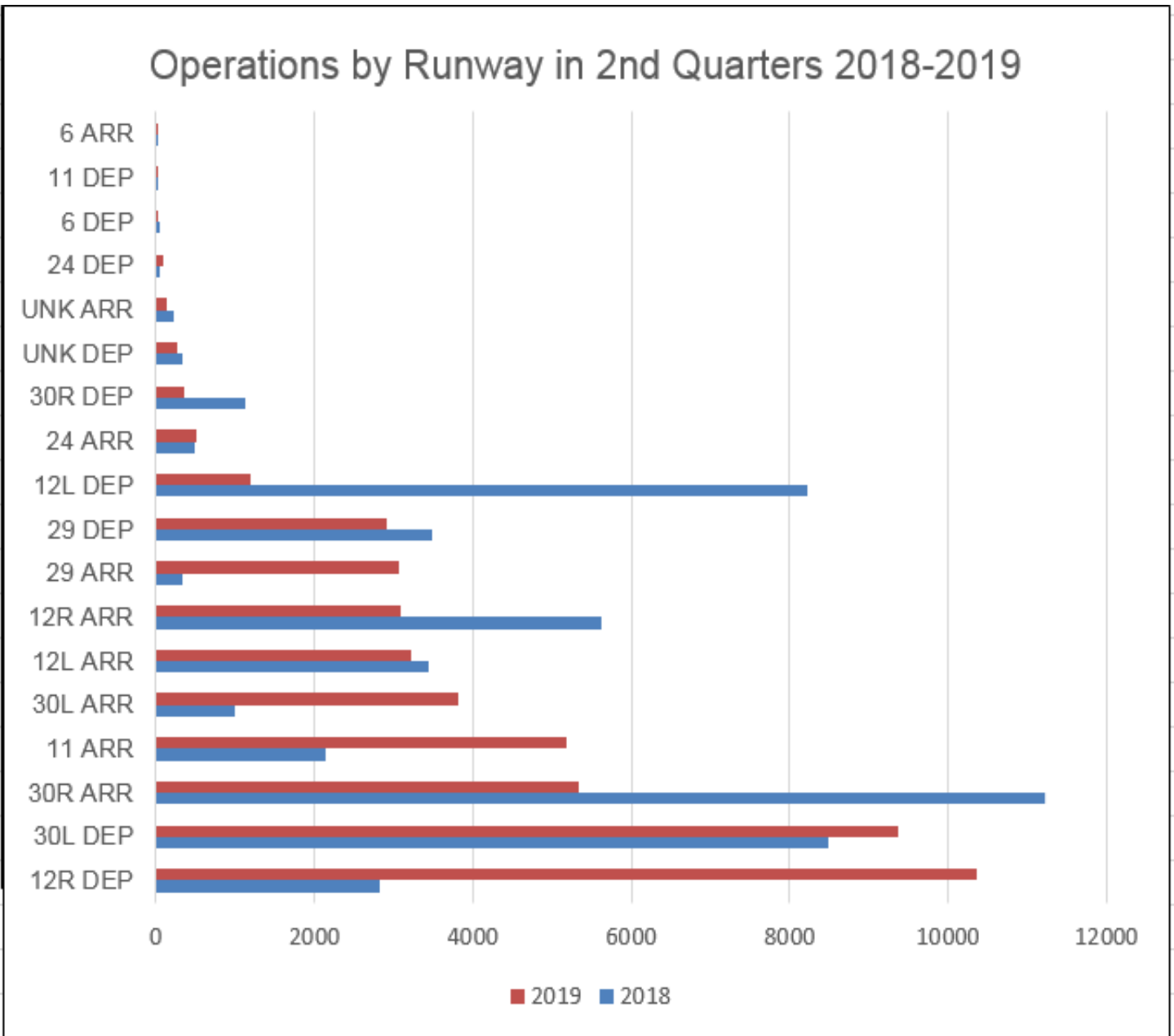
Benedetta Bridgeton	Ferguson Lane, Bridgeton Athletic	Villa Rosa Auriverville Hazelwood	Belfore Loganberry Bel-Ridge	Emerling Cool Valley	North Hills Country Club Pasadena Park	Bellwood Kirkland Normandy	North Hills Brotherton Ferguson
<b>Site 1</b>	<b>Site 3</b>	<b>Site 5</b>	<b>Site 7</b>	<b>Site 8</b>	<b>Site 11</b>	<b>Site 12</b>	<b>Site 13</b>



**OPERATIONS BY RUNWAY**

There were 48,930 operations in the 2nd Quarter 2019 compared to 49,128 operations in 2nd Quarter 2018, a decrease of -0.4% according to Harris data\*. Runway 30R was the most utilized runway for arrivals in the 2nd Quarter of 2019 at 10.9% (5,335 arrivals). Runway 12R was the most utilized runway for known departures in 2nd Quarter of 2019 at 21.2% (10,355 departures). The reconstruction of Runway 12L/30R which began in late May changed the arrival and departures patterns at the Airport. The completion of the runway reconstruction is scheduled for late August. In the 2nd Quarter 2019, there were 48,531 (99.2%) operations in which the runway was identified and 399 operations (0.8%) where the runways were not identified.

\*The Harris Airport Noise and Operation Management System (ANOMS) collects FAA air traffic data from the National Airspace System (NAS) and permanent noise monitoring data and correlates flight tracks, noise monitoring events and noise complaints. The ANOMS provides illustrative trends and should not be construed as official traffic counts.

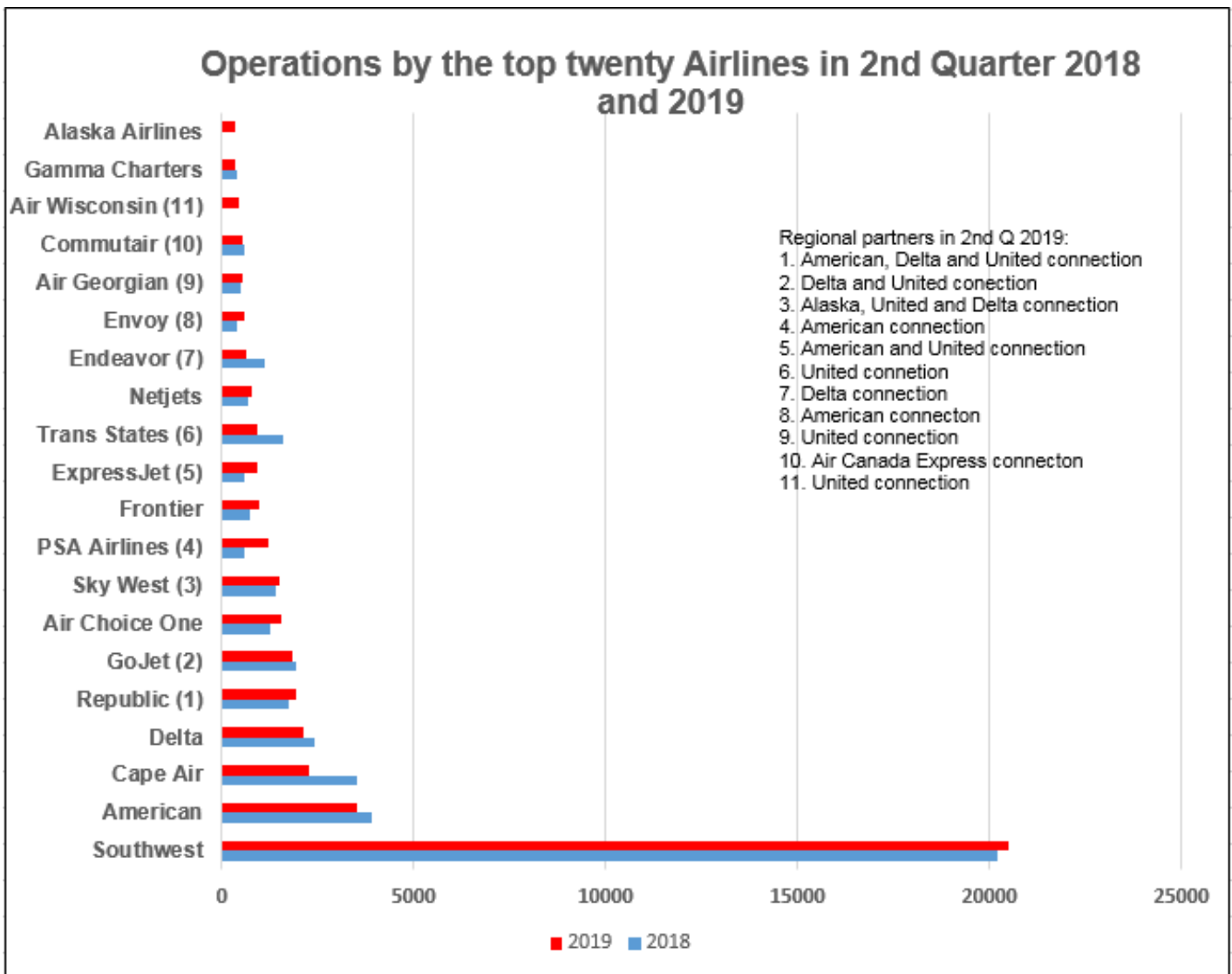


**OPERATIONS BY AIRLINE**

The top twenty airlines in the 2nd Quarter of 2019 including major carriers, regional carriers, and general aviation business jet aircraft accounted for 88.8% of all operations. Shown in the chart below are the top 18 Part 121 airlines and the top two general aviation business charter jets (Gamma Charters and Netjets Aviation) for the 2nd Quarter of 2019. The 2019 2nd Quarter top twenty includes eleven regional commercial passenger jet airlines. Regional jets accounted for 22.6% of the operations in the 2nd Quarter of 2019 and 17.9% in 2018. Southwest and Frontier at St. Louis Lambert Airport are the only major airlines that are not partnered with the regional airlines.

There were 67 Part 121 and Part 135 airlines that utilized St. Louis Lambert International Airport during this period. Part 121 airlines are commercial scheduled airlines with more than 30 seats and Part 135 airlines are planes with less than 30 seats.

\*The Harris Airport Noise and Operation Management System (ANOMS) collects FAA air traffic data from the National Airspace System (NAS) and permanent noise monitoring data and correlates flight tracks, noise monitoring events and noise complaints. The ANOMS provides illustrative trends and should not be construed as official traffic counts.

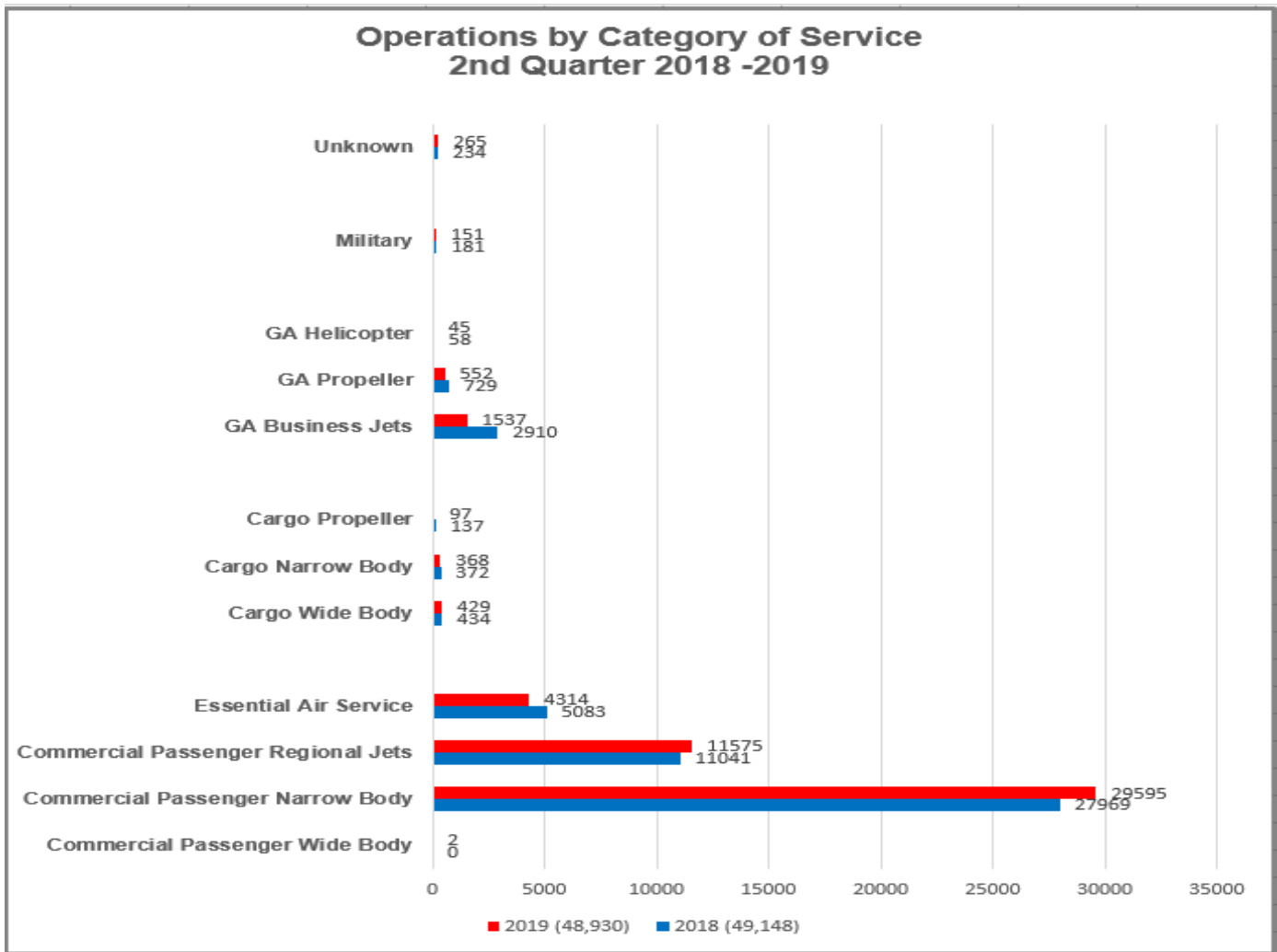


**OPERATIONS BY CATEGORY OF SERVICE**

Beginning in January 2019, staff began including Part 135 charter operations with the scheduled commercial narrow body operations and not business jet aviation. Staff revisited the 2nd Quarter of 2018 to make adjustments for comparison purposes.

In the 2nd Quarter 2019, commercial narrow body operations were up +0.5% and business jet operations (minus charters) were up +7.3%. Essential Air Services decreased -178.4% from the operations in 2nd Quarter 2018. Military operations are filtered so most operations are not reported. Overall, operations in the 2nd Quarter 2019, as reported in the Harris data\* were down -0.4% from 2nd Quarter 2018.

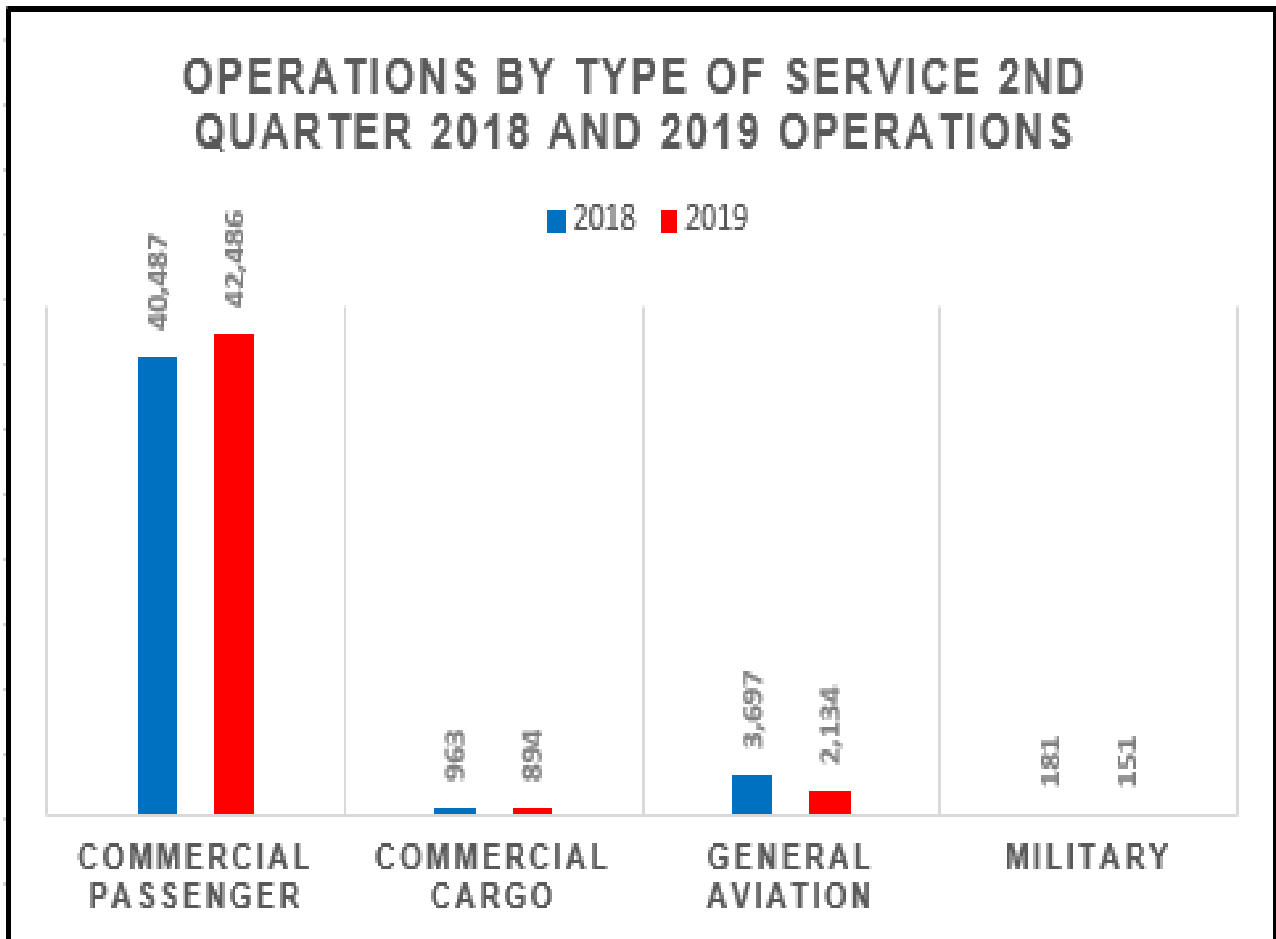
\*The Harris Airport Noise and Operation Management System (ANOMS) collects FAA air traffic data from the National Airspace System (NAS) and permanent noise monitoring data and correlates flight tracks, noise monitoring events and noise complaints. The ANOMS provides illustrative trends and should not be construed as official traffic counts.



**OPERATIONS BY TYPE OF SERVICE**

Commercial Passenger, Commercial Cargo, General Aviation, and Military are the four categories of operations. The Harris data\* also includes unknown operations category for aircraft that were not identified by either the airline or aircraft equipment type, or both. In the category of commercial passenger operations, the second Quarter of 2019 had 86.8% of the operations as compared to 2nd Quarter 2018 with 82.4%. General Aviation had 4.4% of reported operations in 2nd Quarter 2019 compared to the 7.5% in the same period in 2018. Staff began counting Part 135 (charter operations and taxi operations) with the commercial passenger operations (Part 121) in the 1st Quarter of 2019. Commercial cargo had 1.8% of the operations in 2nd Quarter 2019 compared to 1.9% in the same period in 2018. Reported Military operations were at 0.3% in the 2nd Quarter of 2019, however, military operations are filtered and not all military operations are reported in the data.

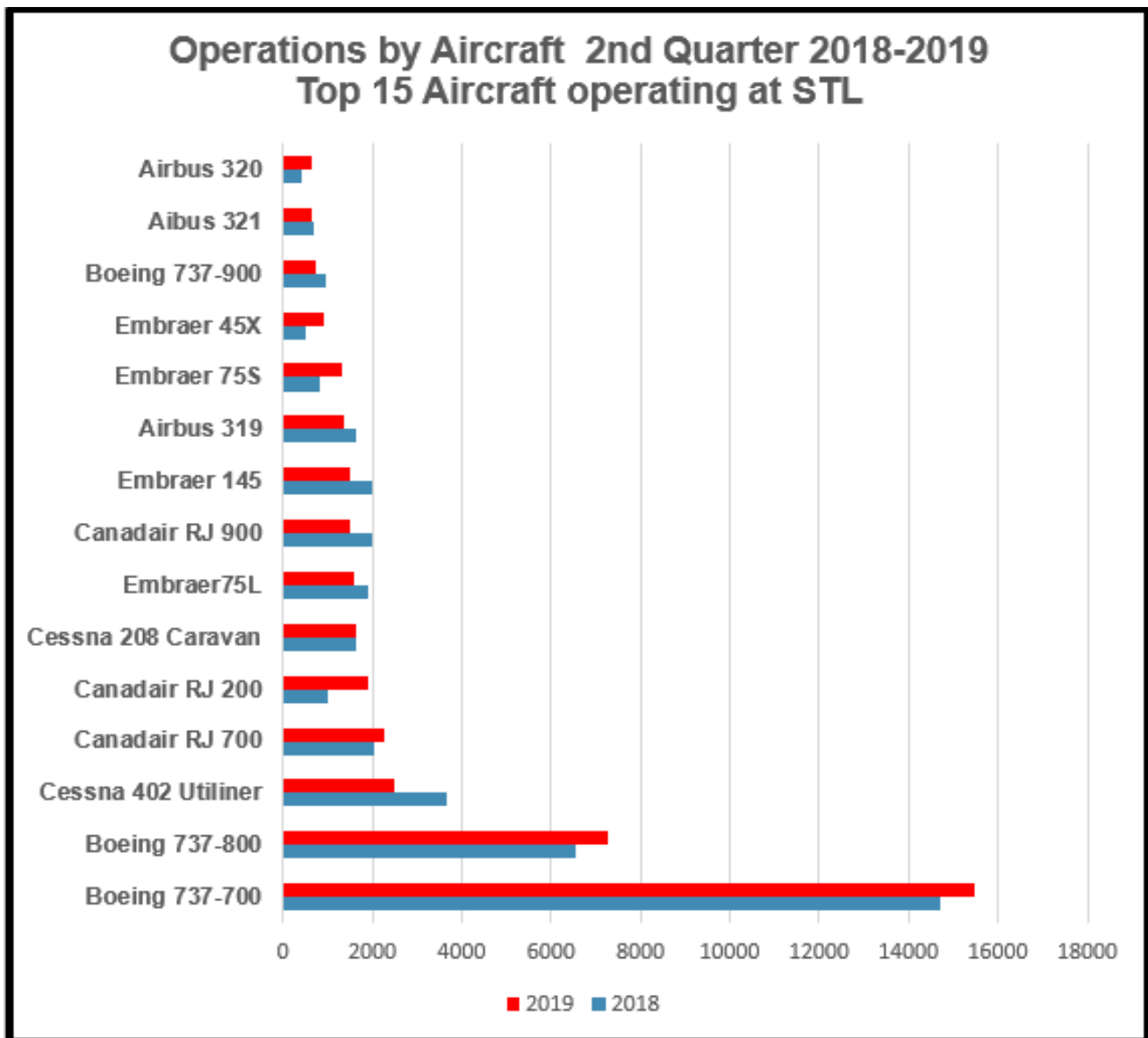
\*The Harris Airport Noise and Operation Management System (ANOMS) collects FAA air traffic data from the National Airspace System (NAS) and permanent noise monitoring data and correlates flight tracks, noise monitoring events and noise complaints. The ANOMS provides illustrative trends and should not be construed as official traffic counts.



**OPERATIONS BY AIRCRAFT**

Shown below are top fifteen aircraft operating at St. Louis Lambert Airport in the 2nd Quarter of 2019. In the 2nd Quarter of 2019, the Boeing 737-700 operations increased by 5.3% and the Boeing 737-800 increased by 11.5% from the same period in 2018. Five of the top ten aircraft at the Airport are operated by regional carriers. There were 167 different types of aircraft that landed at St. Louis Lambert International Airport during this period according to Harris data\*.

\*The Harris Airport Noise and Operation Management System (ANOMS) collects FAA air traffic data from the National Airspace System (NAS) and permanent noise monitoring data and correlates flight tracks, noise monitoring events and noise complaints. The ANOMS provides illustrative trends and should not be construed as official traffic counts.



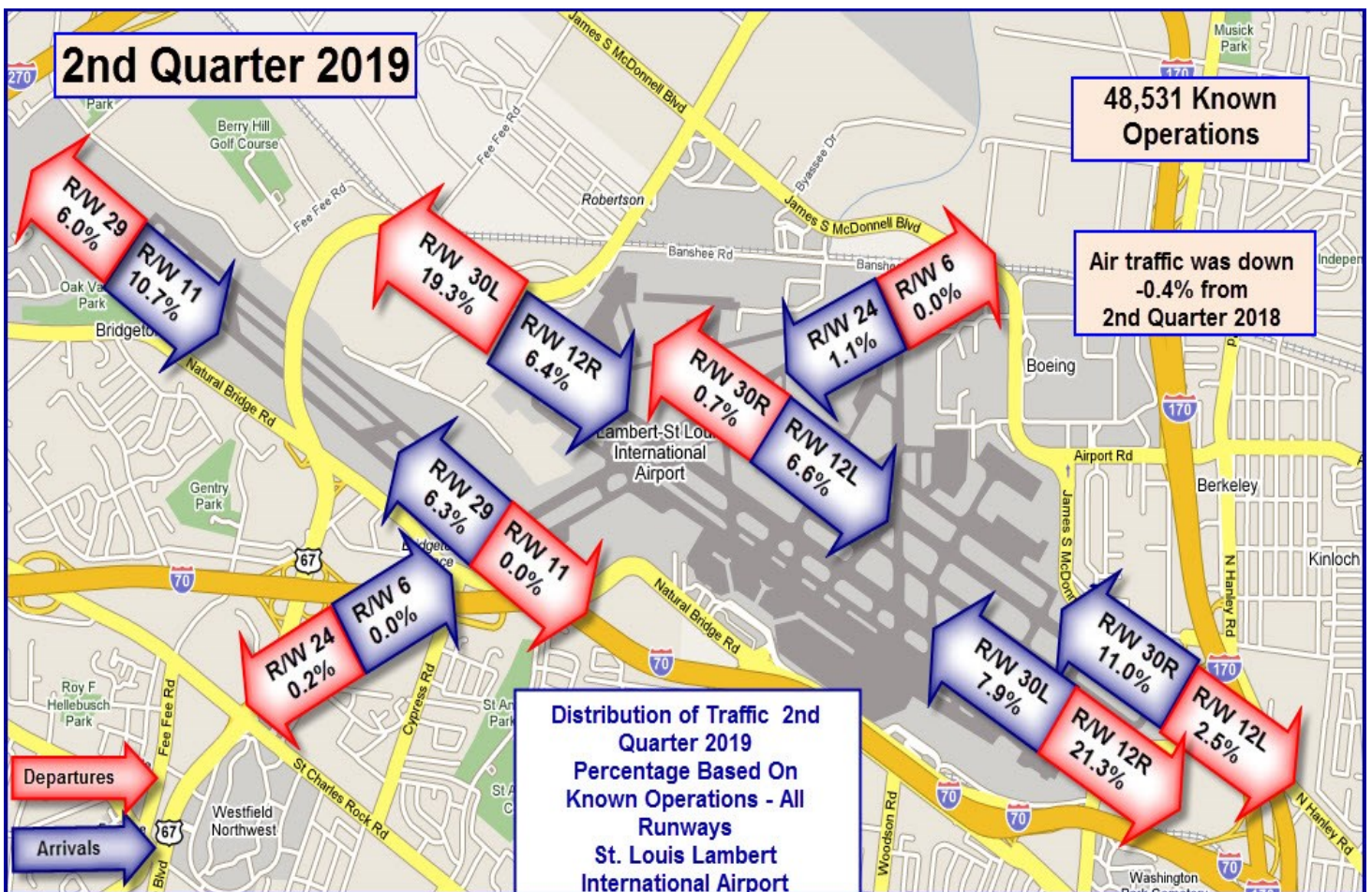


# Airport Noise Management 2nd Quarter 2019 Report

## DISTRIBUTION OF TRAFFIC

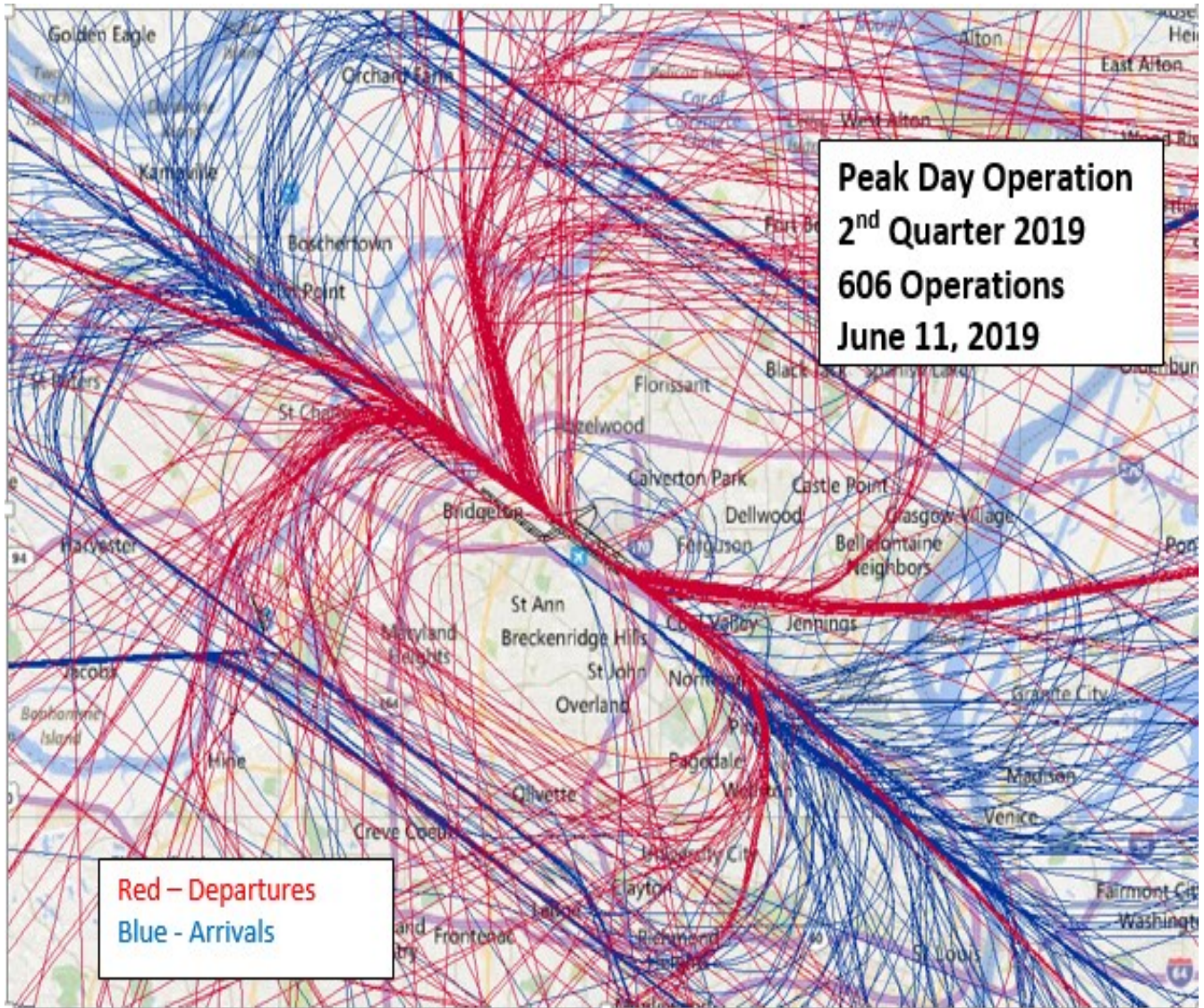
There were 48,930 operations (known and unknown runways) recorded in 2nd Quarter of 2019 compared to 49,148 operations in 2018, a decrease of -0.4%. The chart below depicts the known runway operations (48,531) and illustrates the percentages of use for known runways for this period. During the 2nd Quarter of 2019, the Airport closed Runway 12L/30R to reconstruct the runway impacting the numbers for arrivals and departures on the primary runways.. The most utilized runway for departures was Runway 12R (21.3%). The most utilized runway for arrivals was Runway 30R (11.0%). The crosswind runway 6-24 was the least used runway for this period. The Distribution of Traffic (Eastbound vs. Westbound ) for the 2nd Quarter of 2019 was 47.3% eastbound and 52.2% westbound operations.

\*The Harris Airport Noise and Operation Management System (ANOMS) collects FAA air traffic data from the National Airspace System (NAS) and permanent noise monitoring data and correlates flight tracks, noise monitoring events and noise complaints. The ANOMS provides illustrative trends and should not be construed as official traffic counts





2nd Quarter 2019  
Peak Day Operation at STL



**Airport Noise Management Office**  
Airport Planning & Development  
St. Louis Lambert International Airport®  
P.O. Box 10212  
St. Louis, MO 63145

Noise Complaint Hot Line (314) 551-5070 — [noisehotline@flystl.com](mailto:noisehotline@flystl.com) — Fax: (314) 551-5013

Publication of St. Louis Lambert International Airport Noise Management Office