

Los Angeles County Freeway traffic Volumes.

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Introduction:

The county of Los Angeles is located in southern California and is one of the most famous and highly populated counties in the United States. The county of Los Angeles has a high rate of racial diversity. The county of Los Angeles and its connecting freeways experience a high density of traffic flow due to its high rates of residential and commuter traffic. About 10 million people live and work in Los Angeles and many in the surrounding areas commute to Los Angeles for work, school and for its various attractions.



Figure 1. Locator map of Los Angeles County

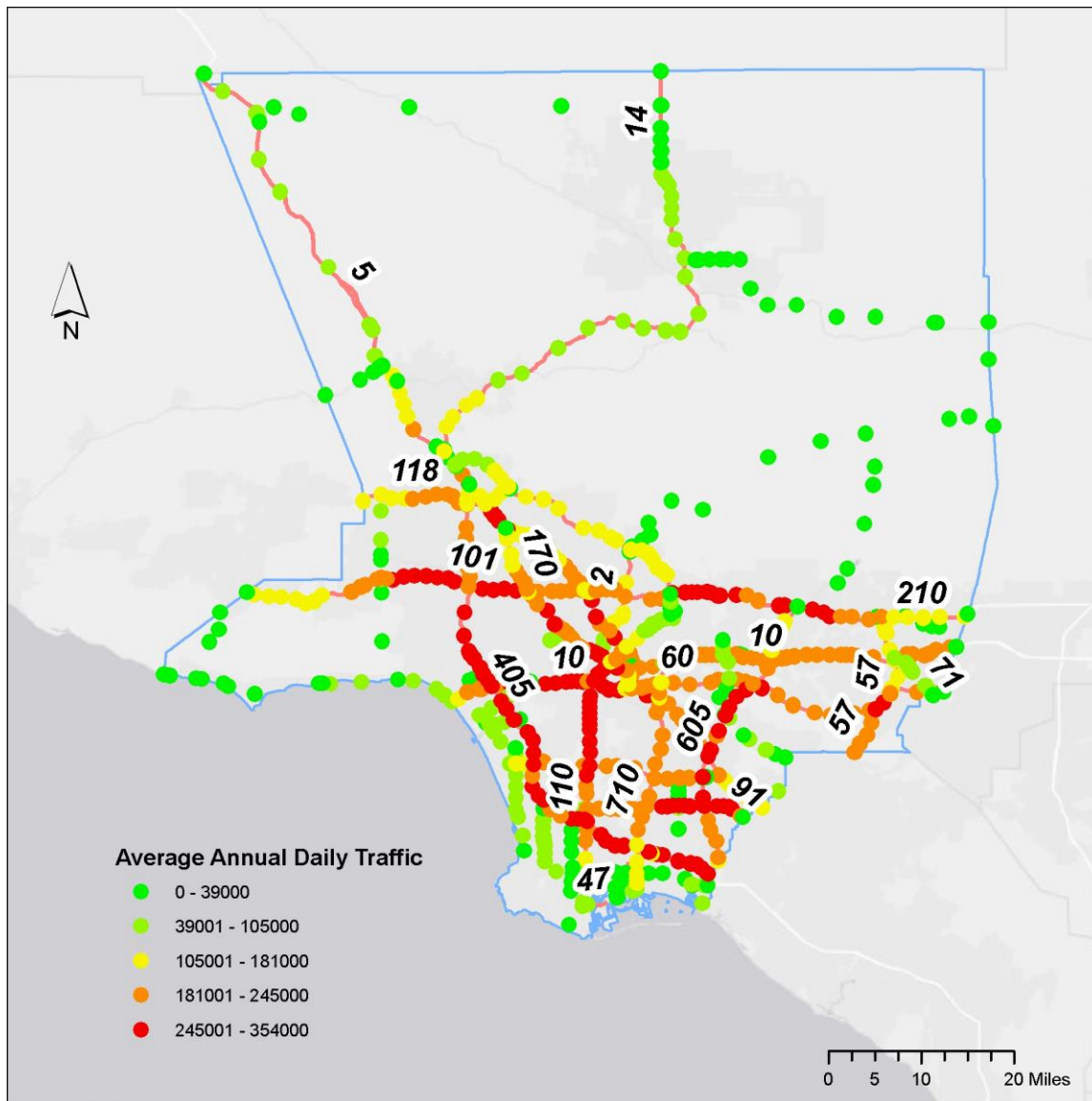


Figure.2 Map of Los Angeles average annual daily traffic count.

Methods:

County shape files and freeway data sets were obtained from the Los Angeles County GIS data portal website. All data was first checked to see if they were properly geo-referenced using the ESRI base maps. All data was uploaded onto ArcMap 10.1. Datasets were configured to solely represent the area

of interest (LA County). The freeway data was set to represent highest traffic by points and color scales and was also configured to solely represent the area of Los Angeles County.

Results:

The population in Los Angeles County is past 10 million, it is a new high count for the most populous county in the United States, according to the U.S. Census Bureau. The maps display the exit points in Los Angeles Highway and the annual average traffic counts. Figure 1 is a map of the ahead Annual Average Daily Traffic (AADT) that represents traffic North or East.

Conclusion:

The 405 freeway has the highest annual volume density with the 110, 101 and the 10 following. This report is meant to represent to freeways with the highest average use and where traffic is most likely to occur. It does not account for hourly or seasonal fluctuations.

Bibliography:

US Census Bureau for the Los Angeles Population

CA Department of traffic website for the data on the traffic count on each exit point.