NCDOT 2015 AADT Stations Shapefile

The AADT shapefile is a station point shapefile of Annual Average Daily Traffic (AADT) estimates. This data was submitted to FHWA for Highway Performance Monitoring System (HPMS) AADT data reporting for 2015. We report AADT on all highways functionally classified (FC) above Local. A full coverage is provided for these routes where AADT segmentation is based on network configuration, travel patterns, and land use. An AADT is an Annual Average Daily Traffic volume for all lanes in both directions passing a point on the highway system. It represents the average of all days during the year with typical traffic conditions. An AADT estimate is generated using procedures that comply with the standards specified in the Traffic Monitoring Guide published by the Federal Highway Administration.

There are over 44,000 AADT stations that provide traffic data history from 2002 to 2015. With more than 44,000 Portable Traffic Count (PTC) Stations located throughout North Carolina, Traffic Survey has adopted the following data collection schedule:

Interstate route volumes are collected on an annual basis.

US and **NC route** volumes are also collected on an annual basis with the exception of stations which fall within the off cycle urban areas. (See urban area cycle below.)

Secondary Road (SR) volumes are collected on a biennial cycle with approximately half being counted each year. If a particular secondary road is not available for the most current year, it may be available for the prior year.

North Carolina's eighteen largest **urban areas** are counted on a biennial cycle with 10 urban areas counted during the even years and 8 urban areas counted during the odd years.

The following urban areas are collected during the **even year cy**cle: Asheville, Charlotte, Concord-Kannapolis, Fayetteville, Gastonia, Goldsboro, Greenville, and Jacksonville

The following urban areas are collected during the **odd year cycle**: Burlington, Chapel Hill, Durham, Greensboro, Hickory, High Point, Raleigh, Rocky Mount, Wilmington, and Winston-Salem

The data in this file was digitized referencing the available NCDOT Linear Referencing System (LRS) and is not the result of using GPS equipment in the field nor latitude and longitude coordinates. The referencing provided is based on the 2016 Quarter 1 publication of the NCDOT Linear Referencing System (LRS). Some differences will be found when using different quarterly publications with this data set.

The data provided is seasonally factored to an estimate of an annual average of daily traffic. The statistics provided are:

STATION ID: Traffic Survey's seven digit unique station identifier
COUNTY: County Name
ROUTE: Numbered route identifier, or local name if not State maintained
LOCATION DESCRIPTION: Description of the Annual Average Daily Traffic station location

AADT_2002: Estimated Annual Average Daily Traffic in vehicles per day for 2002
AADT_2003: Estimated Annual Average Daily Traffic in vehicles per day for 2003
AADT_2004: Estimated Annual Average Daily Traffic in vehicles per day for 2004
AADT_2005: Estimated Annual Average Daily Traffic in vehicles per day for 2005
AADT_2006: Estimated Annual Average Daily Traffic in vehicles per day for 2006
AADT_2007: Estimated Annual Average Daily Traffic in vehicles per day for 2007
AADT_2008: Estimated Annual Average Daily Traffic in vehicles per day for 2008
AADT_2009: Estimated Annual Average Daily Traffic in vehicles per day for 2009
AADT_2010: Estimated Annual Average Daily Traffic in vehicles per day for 2010
AADT_2011: Estimated Annual Average Daily Traffic in vehicles per day for 2011
AADT_2012: Estimated Annual Average Daily Traffic in vehicles per day for 2012
AADT_2013: Estimated Annual Average Daily Traffic in vehicles per day for 2013
AADT_2014: Estimated Annual Average Daily Traffic in vehicles per day for 2014
AADT_2015: Estimated Annual Average Daily Traffic in vehicles per day for 2014

Note: A value of zero in the AADT field indicates no available AADT data for that year.

If additional information is needed, or an issue with the data is identified, please contact the Traffic Survey Group at (919) 814-5115.