



## NCDOT 2013 AADT Volume Groups Segments Shapefile

The 2013 AADT Volume Group Segment Shapefile is a segment shapefile of Annual Average Daily Traffic (AADT). This data resource includes what was submitted to FHWA for Highway Performance Monitoring System (HPMS) for 2013 AADT data reporting. 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. Data is provided for ramps also. The ramp data is not a complete segment coverage but all major traffic flows at interchanges are reported. Where divided highways occur, the AADT total for both directions is referenced on the inventory direction. There are 89,296 reference records that have been dissolved into 48,216 AADT volume group segments. Most maintained traffic segments require multiple records for referencing. The AADT volume grouping designation was provided by FHWA's HPMS Field manual as seen in Table 6.1 Volume Group/AADT Ranges. The volume group table may be accessed through <http://www.fhwa.dot.gov/policyinformation/hpms/fieldmanual/>.

Supplemental AADT are provided on the routes that are Local FC. These are not maintained in the maintenance table described above. A reference is generated through a spatial join between the monitoring station point and the LRS Arc it falls on. The extent of highway this AADT represents has not been determined. This process captures the AADT for Local routes into the published table without requiring a comprehensive maintenance process. The AADT on Local routes may extend beyond the arc used to report it. The user must exercise their own judgment in determining the limits of an AADT in this case.

The referencing provided is based on the 2014 Quarter 1 publication of the NCDOT Linear Referencing System (LRS) maintained by the GIS Unit. Differences in the arcs and references will be found when using other quarterly publications with this data set.



Attribute Table Fields

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

**Rte\_Id:** GIS 10 digit unique route identifier

**Beginning Milepost:** Route milepost at the beginning of the reference

**Ending Milepost:** Route milepost at the end of the reference

**2013 AADT:** Estimated Annual Average Daily Traffic in vehicles per day for 2013

**Single Unit Truck%:** Percent of AADT that are Single Unit Trucks (FHWA Class 4 – 7)

**Multiple Unit Truck%:** Percent of AADT that are Multi Unit Trucks (FHWA Class 8 – 13)

**Single Unit Trucks:** Estimated annual average daily single unit trucks in vehicles per day for 2013

**Multiple Unit Trucks:** Estimated annual average daily multi unit trucks in vehicles per day for 2013

**Truck AADT:** Estimated annual average daily total trucks in vehicles per day for 2013

The segment location data are suitable for relating the AADT data with other data by:

1. Spatial association using the arcs
2. Event association by using the Route/Mileposts

If additional information is needed, or an issue with the data is identified, please contact the Traffic Survey Group at (919) 661-5872 or email us at:

<https://apps.dot.state.nc.us/ContactUs/PostComment.aspx?Unit=TrafficCnt>