

HIGHWAY STATISTICS

2011 Delaware HPMS Data Compilation

Delaware is a small state consisting of 1954 square miles, which ranks 49th in land area and 45th in population, estimated at 907,003 persons in 2011.

There are only two full time staff members in the department to gather road inventory and field data. The suburban and municipal street mileages are ineligible for federal-aid apportionment. The suburban and municipal road mileages are reviewed annually and revised as necessary to determine if these roads are eligible for an increase in the authorization of suburban and municipal street-aid funds from the state.

The state's traffic count data manipulation is contracted out to Chaparral, a traffic software consultant in New Mexico.

As a coastal state, Delaware's weather is often unpredictable. Stormy weather mixed with heavy rains often creates coastal flooding which results in wide variations in traffic patterns annually. We also have significant seasonal fluctuations in major roads leading to and from our coastal resort area. Further, the flooding causes malfunctions in some of our permanent ATRs along roads that are flooded.

Delaware does not have an HPMS field crew, therefore, some data is not available until just before the due date for reporting the HPMS. DelDOT also encounters problems in "Sample Management". In 2011 we deleted 83 Samples and added 34. There are many small sections within the Volume Group Universe with section lengths under 0.20 miles. DelDOT puts a lot of effort into collecting data from numerous small sections to avoid errors. Because the software includes very small sections, these extra efforts may not be worthwhile. After the compilation of HPMS data, a limited field review is made before those data are made final.

As the one and only HPMS Coordinator, I work with the following sections to update the required database:

- Road Inventory
- Traffic
- Pavement
- Highway Safety
- Road Construction
- Closely work with GIS and IT sections.
- Agencies outside DelDOT like, Army Corps, State Parks etc

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