

Annual Average Daily Traffic Acceptable Percent Change

Developed by the MnDOT Traffic Forecasting & Analysis Section

Percent Change Tolerances

These tolerances went into effect as of the 2019 data collection season.

Past Official AADT Range	Acceptable % Change (Recount and Segment)
0 – 99	No Recounts
100 – 499	+/- 30%
500 – 1,499	+/- 25%
1,500 – 4,999	+/- 20%
5,000 – 49,999	+/- 15%
50,000+	+/- 10%

Percent Change: The percent change is calculated as (Adjusted Unrounded Count – Previous AADT)/Previous AADT. The AADT Range is chosen based on the Past AADT.

Example: Adjusted count of 4178 and a Past AADT of 5100 results in a -18.1% change, which is outside of the tolerance range assigned to the Past AADT (+/-15%). A recount would be requested to validate the change in traffic volume.

Recount and Segmentation Determination: A recount is requested if the adjusted volume exceeds the acceptable percent change margin. Creation of a new traffic segment is considered if the two AADT exceed the acceptable percent change margin.

Tolerance Determination: Current tolerances were derived from multiple sources, including: the previous Traffic Volume Program tolerances, the FHWA Volume Group/AADT Ranges, the FHWA Spacing of Short-Duration Counts, the State Aid CSAH Rural and Urban AADT Groups, the State Aid MSAS Urban AADT Groups, and the State Aid AADT Design Guidance.

Rounding Convention for Official AADT

AADT Range – Rounded to Nearest Value

0 to 499 – 5

500 to 999 – 10

1,000 to 4,999 – 50

5,000 to 24,999 – 100

25,000 to 49,999 – 500

50,000 and greater – 1,000