

## Level of Service Report Definitions

1. **AADT:** If a count is performed for a given year, the AADT is calculated from the raw count data. For some locations, the AADT is projected based on past count history. Linear growth/regression formula is used to project AADT when raw, count data isn't available.

$$\text{AADT} = (\text{Total Volume} * \text{Seasonal Factor})$$

***\*FDOT Rounding technique is used for final AADT value***

### **PRECISION OF DATA**

To reflect the uncertainty of estimates and forecast volumes (AADT, DHV and DDHV) should be rounded according to the current AASHTO **rounding** standards (AASHTO Green Book - A Policy on Geometric Design of Highways and Streets, 6th Edition, 2011).

Forecast Volume	Round to Nearest
0 to 999	10
1,000 to 9,999	100
>=10,000	1,000

2. **Last Count Year:** the last year an actual vehicle count was collected for a count station.
3. **Pk Hr Service Capacity:** this number is based on the standard LOS grade for a given segment. The FDOT Generalized Peak Hour Directional tables are used to determine the service capacity for the standard LOS grade assigned to the segment. Table 7, Page 84 in the document below.

[https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/planning/systems/systems-management/document-repository/qlos/fdot\\_qlos\\_handbook\\_june-2020.pdf?sfvrsn=98f689a7\\_2](https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/planning/systems/systems-management/document-repository/qlos/fdot_qlos_handbook_june-2020.pdf?sfvrsn=98f689a7_2)

4. **Volume (AM or PM):** Peak Hour Directional Volume is calculated by...

$$\text{VOLUME} = (\text{AADT} * \text{D FACTOR} * \text{K100})$$

5. **LOS (AM or PM):** The LOS grade for a segment is determined by the volume (see above) and looking at the FDOT Generalized Peak Hour Directional table for that segment's Speed Class (**Class 1 = 40 mph or higher, Class 2 = 35mph or slower**), Roadway Type (**Signalized Arterials, Freeways, Highways**), and Jurisdiction (**County or State**).

[https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/planning/systems/systems-management/document-repository/qlos/fdot\\_qlos\\_handbook\\_june-2020.pdf?sfvrsn=98f689a7\\_2](https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/planning/systems/systems-management/document-repository/qlos/fdot_qlos_handbook_june-2020.pdf?sfvrsn=98f689a7_2)

6. **V/C (AM or PM):** Volume over Capacity is calculated by..

$$\text{V/C} = (\text{Volume} / \text{Pk Hr Service Capacity})$$

**NOTE:** 6-digit Station numbers are FDOT count stations.