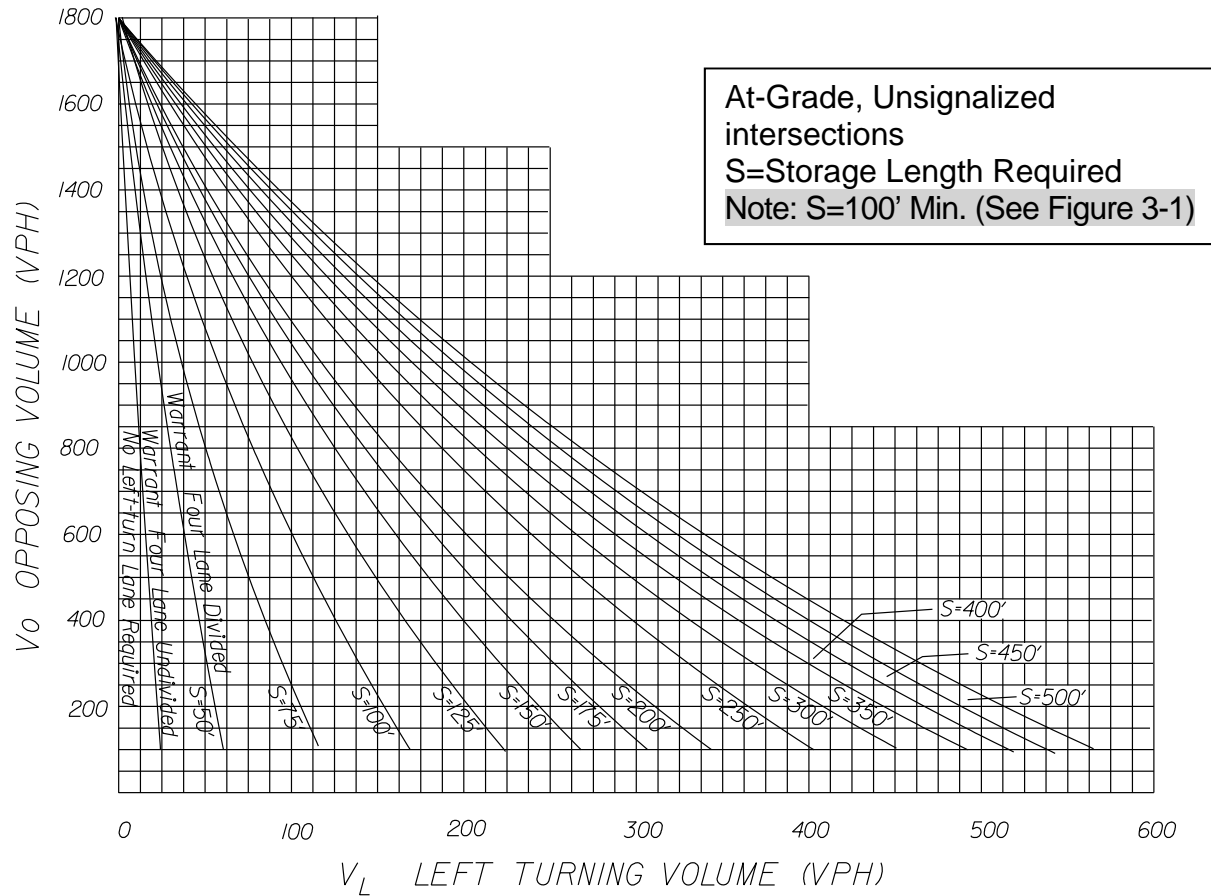


### Warrants for Left Turn Storage Lanes on Four-Lane Highways



**FIGURE 3-3 WARRANTS FOR LEFT TURN STORAGE LANES ON FOUR-LANE HIGHWAYS\***

Figure 3-3 was derived from Highway Research Report No. 211.

Opposing volume and left turning volume in vehicles per hour (VPH) are used for left turn storage lane warrants on four-lane highways.

For plan detail requirements when curb and/or gutter are used, see VDOT's Road Design Manual, [Section 2E-3](#) on the VDOT web site:

<http://www.virginia-dot.org/business/locdes/rdmanual-index.asp>.

Left-turn lanes shall also be established on two-lane highways where traffic volumes are high enough to warrant them.

\* Rev. 1/18