

**NCDOT Manual Vehicle Classification Count Validation Rules**  
**(4 Vehicle Class Scheme)**

<b>Check</b>	<b>Description</b>
1	Total Directional Volume Comparison (+/-20%)
2	Directional Dual Percentage Comparison (+/-20%)
3	Total Dual Percentage Check (<8%)
4	Directional TTST Percentage Comparison (+/-20%)
5	Total TTST Percentage Check (<20%)
6	Directional Twin Percentage Comparison (+/-100%)
7	Total Twin Percentage Check (<1%)
8	Expansion Factor Check (<1.35)
9	Axle Factor Check ( $0.6 < AF < 1$ )
10	AM Peak Hour PHP Check ( $6\% < PHP < 16\%$ )
11	AM Peak Hour D% Check ( $50\% < D\% < 85\%$ )
12	PM Peak Hour PHP Check ( $6\% < PHP < 16\%$ )
13	PM Peak Hour D% Check ( $50\% < D\% < 85\%$ )
14	Peak Period Directional Volume Check - Reverse peak direction of flow for the sum of directional volumes between 7-9AM and 4-6PM