

ROADWAY DESIGN MANUAL – Roads and Bridges

Table 200.06
Procedures for Traffic Studies

EXISTING ROADS

<i>Primary or Secondary Roads</i>	24-hour counts for 7 continuous days for each of four yearly periods: <ul style="list-style-type: none"> • March, April, May • June, July, August • September, October, November • December, January, February
	24-hour manual traffic counts for trucks classified by axle for any three days from the following four days: <ul style="list-style-type: none"> • Sunday • Monday • Tuesday • Wednesday
<i>Intersections</i>	Afternoon (or morning) and evening intersection peak hour counts summarized in 15-minute increments by direction (left turn, right turn and through movements). Counts taken on Sunday or Wednesday, Monday and Tuesday. Hourly summary of same includes separate totals for: Passenger vehicles, vans, pick-up trucks Buses Trucks by axle count
<i>Local Streets</i>	12-hour manual counts taken from 6 a.m. to 6 p.m. on Sunday, (or Wednesday), Monday and Tuesday. Total hourly volumes shall be recorded. Convert to 24-hour ADT by multiplying the 12-hour volume by 2. This will provide a conservative estimate of the 24-hour ADT. If more accurate volumes are required a 24-hour count should be made.

NEW ROAD

<i>Primary and Secondary Roads</i>	Determine/analyze the design ADT for new road using area demographics and travel patterns, determine the redistribution of existing traffic volumes and traffic volumes generated by new development that will use the new road(s). Conduct Roadside Interview “Origin Destination Surveys” to estimate the directional distribution of traffic.
<i>Local Streets</i>	12-hour manual counts taken from 6 a.m. to 6 p.m. on Sunday or Wednesday, Monday and Tuesday. Total hourly volumes shall be recorded. Convert to 24-hour ADT by multiplying the 12-hour volume by 2. This will provide a conservative estimate of the 24-hour ADT. If more accurate volumes are required a 24-hour count should be made.

FOR ALL TRAFFIC COUNTS

1. Counts shall not be taken on special holidays or during events which occur once per year.
2. Counters shall be placed at points of obvious traffic volume changes
3. Manual counts shall be taken at the same place(s) as machine counts. Manual counts shall be used to verify machine counts.
4. Manual and machine counts shall be performed for each direction.