

EXPLANATORY NOTES for 2005 Western Region Traffic Volume Publication

AADT is the Annual Average Daily Traffic assessed as the total volume of traffic recorded at a specific road location (known as a traffic station) taken over a calendar year and divided by the number of days in that year.

Traffic survey stations are either designated as **sample (short survey duration)** stations or as **permanent (continuous survey duration)** stations. The **AADT type** is represented during a 24-hour period averaged over a year as the number of:

- **Axle pair** passes or
- **Vehicle** passes or

For example, with axle pair passes, a typical car is represented by one axle pair, a three axle truck by one and a half axle pairs and a six axle semi trailer as three axle pairs.

It should be understood that AADTs measured by counting vehicles is not equivalent to AADTs measured by axle pair passes

AADT values are presented as combined direction counts or as directional as indicated by a suffix to station number as:

- N = Northbound
- S = Southbound
- E = Eastbound
- W = Westbound
- C = Combined directions

CONVERSION FACTORS / AXLE PAIRS TO VEHICLE EQUIVALENTS

Year 2005 AADTs originally expressed as axle pairs are now also shown as vehicle equivalents where acceptable conversion factors can be assigned. AADT axle pair representation as a time series by year will be continued until equivalent series in terms of vehicles can be established that allows for sensible calculation of growth factors. Site-specific conversion factors will be posted on the Intranet as they become available.

PART 1 lists the stations and their AADTs by **combined direction** as an Excel spreadsheet, enabling sorting data by any field

Colour coded fields distinguish between permanent vehicle count sites, permanent axle count sites, sample axle pair sites, and inactive sites (see **Legend**).

PART 2A lists the daily distribution of traffic volumes as **vehicles** by week at each Permanent Station for **each direction** of traffic flow. The listing includes the total, weekly counts and as expressed as a percentage of the whole of year count and summary statistics.

- AADT (Annual average daily traffic)
- AAWT (Annual average weekday traffic)
- AAWE (Annual average weekend traffic)
- AAPH (Annual average public holiday traffic)

PART 2B lists the daily distribution of traffic volumes as **axle pairs** by week at each **Permanent** Station for **each direction** of traffic flow. The listing includes the total, weekly counts and as expressed as a percentage of the whole of year count and summary statistics **AADT, AAWT, AAWE and AAPH**

PART 3A lists the hourly distribution of traffic volumes as **vehicles** for a single week at each **Permanent** Station by the hour of day and day of week for **each direction** of traffic flow. The listing includes the total, average and percentages of hourly traffic volumes for weekdays, weekends and whole of year for each corresponding hour

Single weeks of Hourly distribution were selected to exclude public holidays and other abnormal influences where possible. Nevertheless Hourly distributions may not be representative of annual average hourly traffic patterns.

Summary statistics presented at the foot of the Hourly distribution tables are:

- Daily, weekday, weekend and weekly totals
- **MAX** (Maximum hourly flows)
- **AWT** (Average Weekday Traffic)
- **AWE** (Average Weekend Traffic)
- **ADT** (Average Daily Traffic)

PART 3B lists the hourly distribution of traffic volumes as **axle pairs for** a single week at each **Permanent Station** by the hour of day and day of week for **each direction** of traffic flow. The listing includes the total, average and percentages of hourly traffic volumes for weekdays, weekends and whole of year for each corresponding hour.

Single weeks of Hourly distribution were selected to exclude public holidays and other abnormal influences where possible. Nevertheless Hourly distributions may not be representative of annual average hourly traffic patterns.

Summary statistics presented at the foot of the Hourly distribution tables are Daily, weekday, weekend and weekly totals, **MAX, AWT, AWE and ADT**

PART 4 lists the hourly distribution of traffic volumes as **axle pairs for** a single week at each **sample station** by the hour of day and day of week for **each direction** of traffic flow. The listing includes the total, average and percentages of hourly traffic volumes for weekdays, weekends and whole of year for each corresponding hour.

Sample stations only have a single week of hourly counts, excluding public holidays and other abnormal influences where possible. Nevertheless Hourly distributions may not be representative of annual average hourly traffic patterns.

Summary statistics presented at the foot of the Hourly distribution tables are Daily, weekday, weekend and weekly totals, **MAX, AWT, AWE and ADT**

MAP SYMBOLS EMPLOYED FOR TRAFFIC STATION LOCATIONS AND ASSOCIATED AADTS

Major Screen lines are shown as numbered continuous red lines and Minor Screen lines as numbered dashed red lines.

Traffic Station locations and associated AADTs are indicated on the maps by a red dot, with a joining line to the **station number** above the line and **associated AADT value** below the line.

