

Appendix E Traffic volume and speed data

Appendix E contains detailed information on traffic characteristics for Kwinana Freeway and Canning Highway. These data were provided by Main Roads WA.

The data are presented in tables summarising traffic characteristics by direction, and in figures illustrating the diurnal variation of mean traffic volume and speed for weekdays and weekends.

The traffic characteristics for Kwinana Freeway are:

- Table E-1: Kwinana Freeway traffic characteristics by direction and time period
- Figure E-1: Diurnal variation of mean traffic volume and speed (weekday) for Kwinana Freeway northbound
- Figure E-2: Diurnal variation of mean traffic volume and speed (weekend) for Kwinana Freeway northbound
- Figure E-3: Diurnal variation of mean traffic volume and speed (weekday) for Kwinana Freeway southbound
- Figure E-4: Diurnal variation of mean traffic volume and speed (weekend) for Kwinana Freeway southbound

The traffic characteristics for Canning Highway are:

- Table E-2: Canning Highway traffic characteristics by direction and time period
- Figure E-5: Diurnal variation of mean traffic volume and speed (weekday) for Canning Highway eastbound
- Figure E-6: Diurnal variation of mean traffic volume and speed (weekend) for Canning Highway eastbound
- Figure E-7: Diurnal variation of mean traffic volume and speed (weekday) for Canning Highway westbound
- Figure E-8: Diurnal variation of mean traffic volume and speed (weekend) for Canning Highway westbound

Kwinana Freeway

Table E-1. Kwinana Freeway traffic characteristics by direction and time period

Time period / direction	Northbound	Southbound
Weekday morning peak		
Time	6:00 – 8:00	5:00 – 7:00
Speed (km/h)	59 – 85	85 – 95
Traffic volume (number of vehicles)	1168 – 1338	440 – 912
Weekday afternoon peak		
Time	15:00 – 16:00	15:00 – 16:00
Speed (km/h)	79 – 89	67 – 77
Traffic volume	1031 – 1150	914 – 949
Weekend days		
Time	10:00 – 14:00	10:00 – 14:00
Speed (km/h)	85 – 89	89 – 90
Traffic volume	1025 – 1163	804 – 874

Kwinana Freeway northbound direction

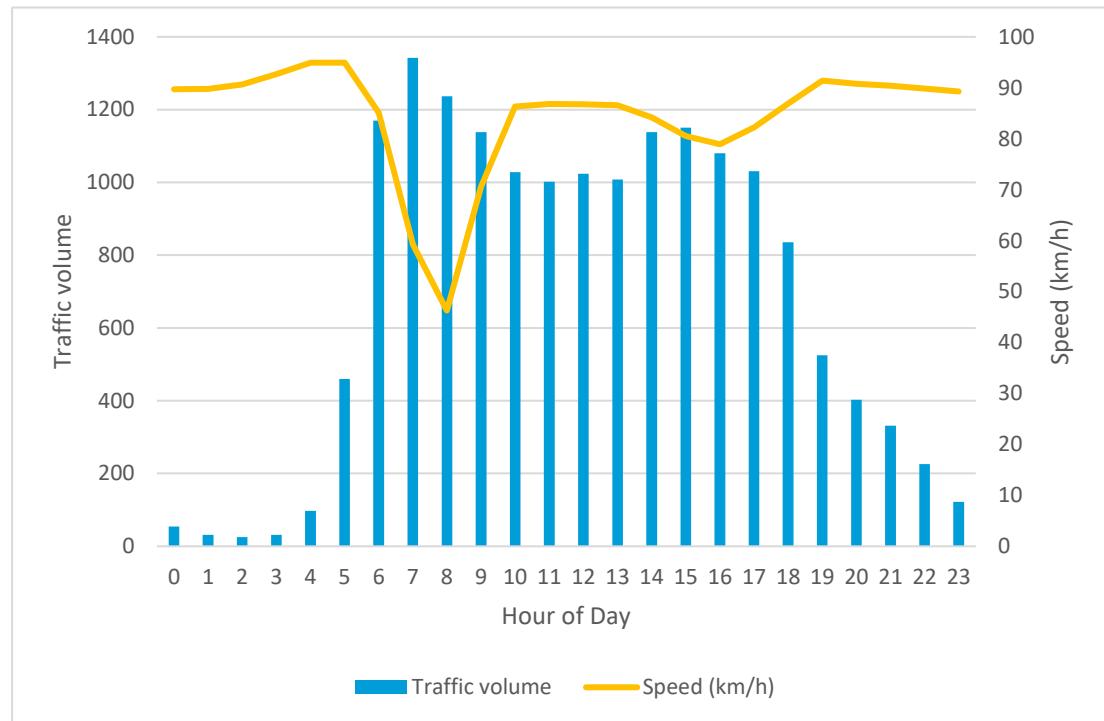


Figure E-1. Diurnal variation of mean traffic volume and speed (weekday)

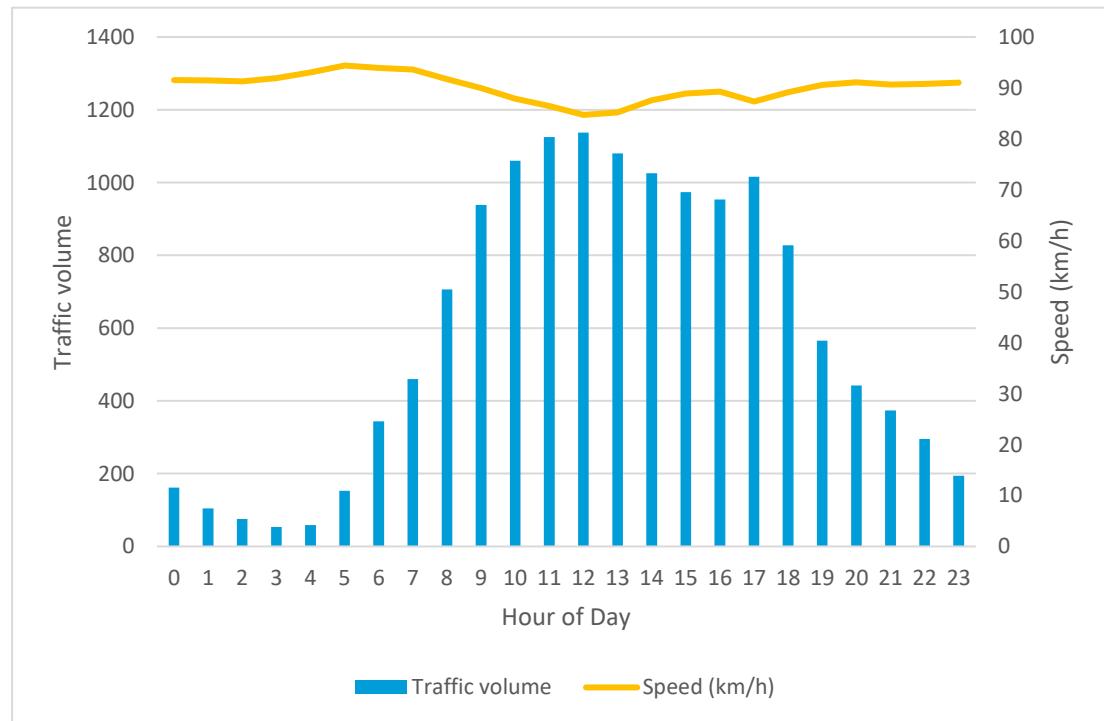


Figure E-2. Diurnal variation of mean traffic volume and speed (weekend)

Kwinana Freeway southbound direction

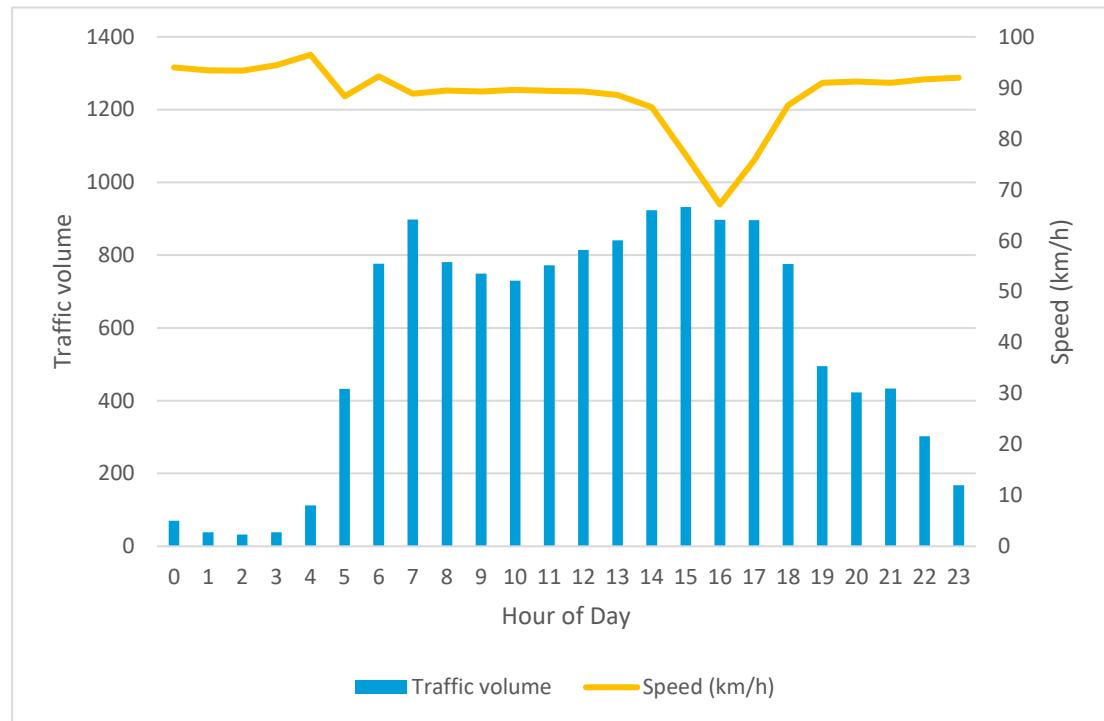


Figure E-3. Diurnal variation of mean traffic volume and speed (weekday)

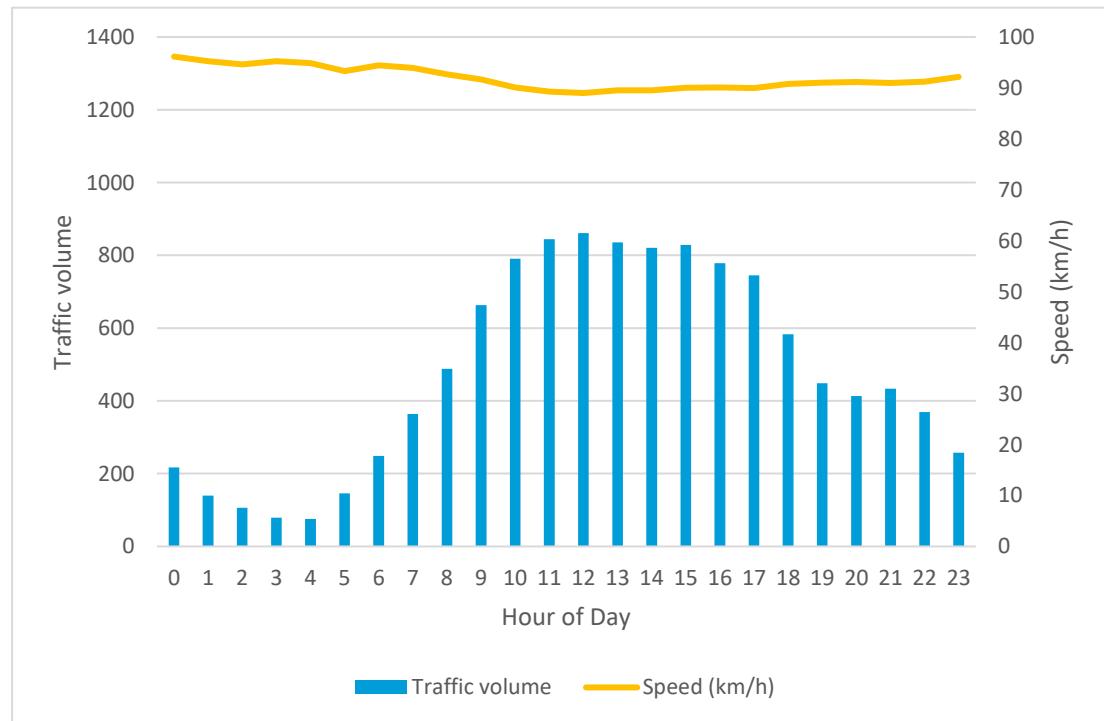


Figure E-4. Diurnal variation of mean traffic volume and speed (weekend)

Canning Highway

Table E-2. Canning Highway traffic characteristics by direction and time period

Time period / direction	Eastbound	Westbound
Weekday morning peak		
Time	7:00 – 8:00	7:00 – 8:00
Speed (km/h)	30 – 40	25 – 35
Traffic volume (number of vehicles)	350 – 420	350 – 420
Weekday afternoon peak		
Time	15:00 – 17:00	15:00 – 17:00
Speed (km/h)	30 – 40	25 – 35
Traffic volume	350 – 420	350 – 420
Weekend days		
Time	10:00 – 12:00	10:00 – 12:00
Speed (km/h)	45 – 55	40 – 50
Traffic volume	250 – 350	250 – 350

Canning Highway eastbound direction

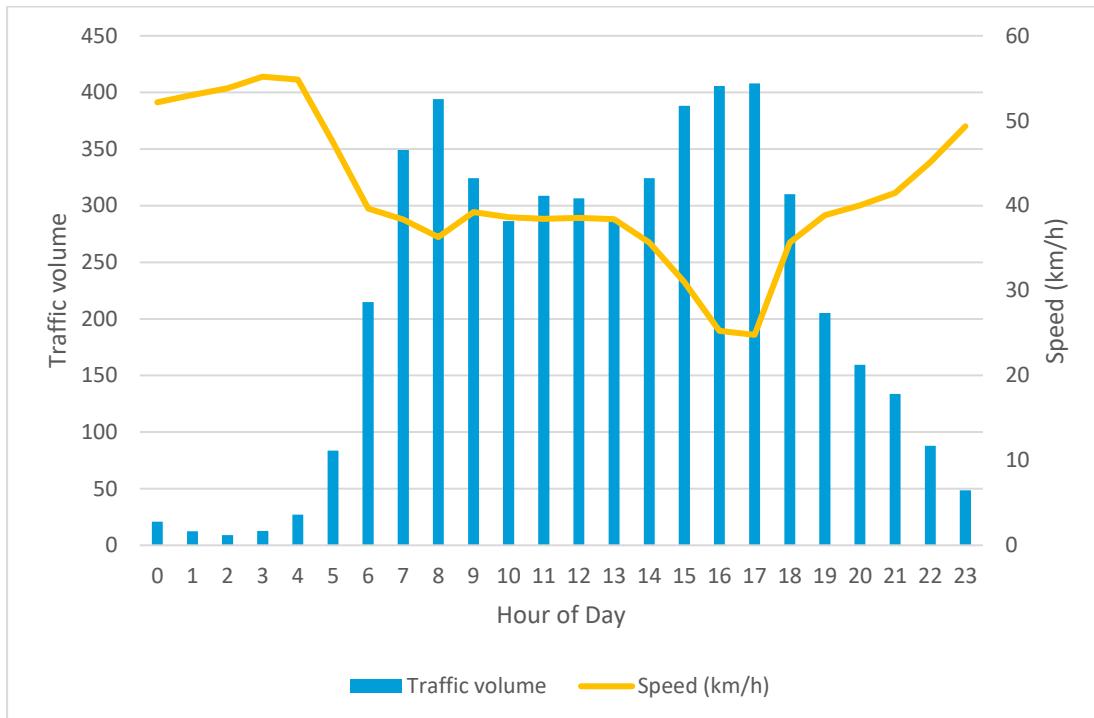


Figure E-5. Diurnal variation of mean traffic volume and speed (weekday)

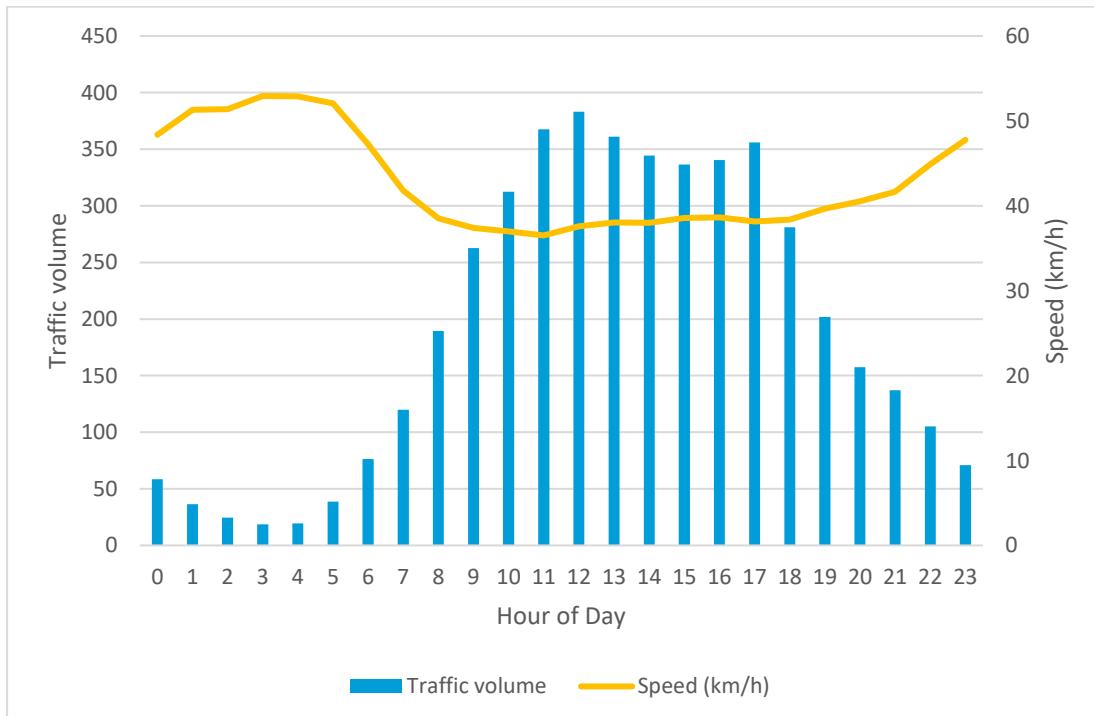


Figure E-6. Diurnal variation of mean traffic volume and speed (weekend)

Canning Highway westbound direction

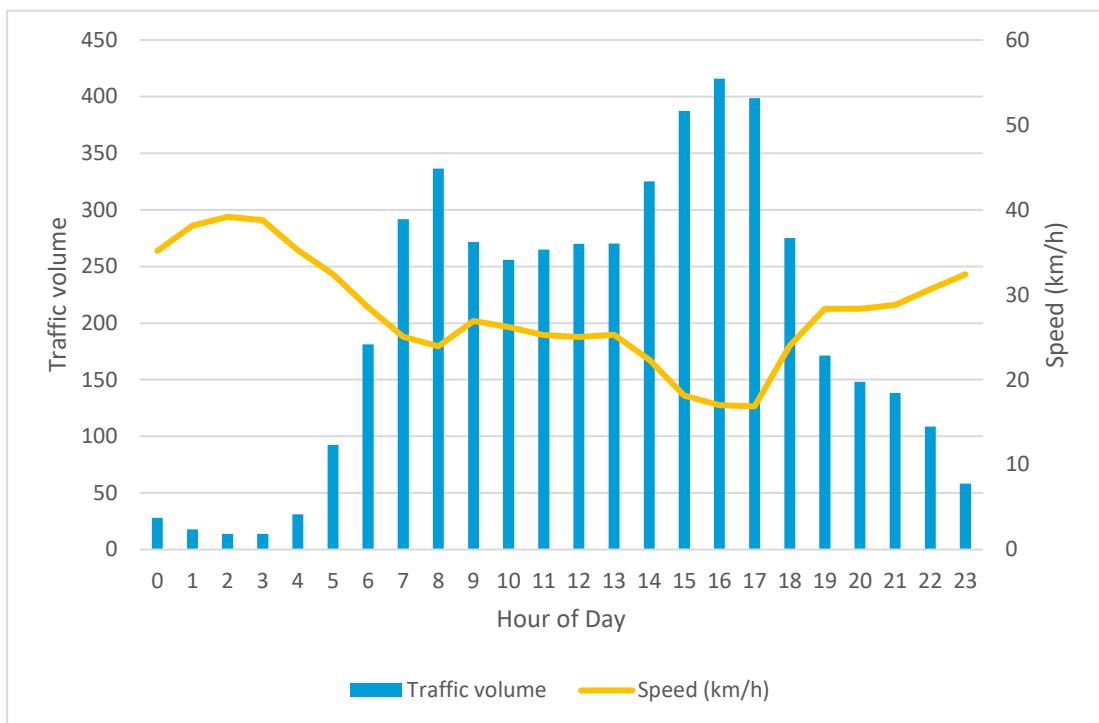


Figure E-7. Diurnal variation of mean traffic volume and speed (weekday)

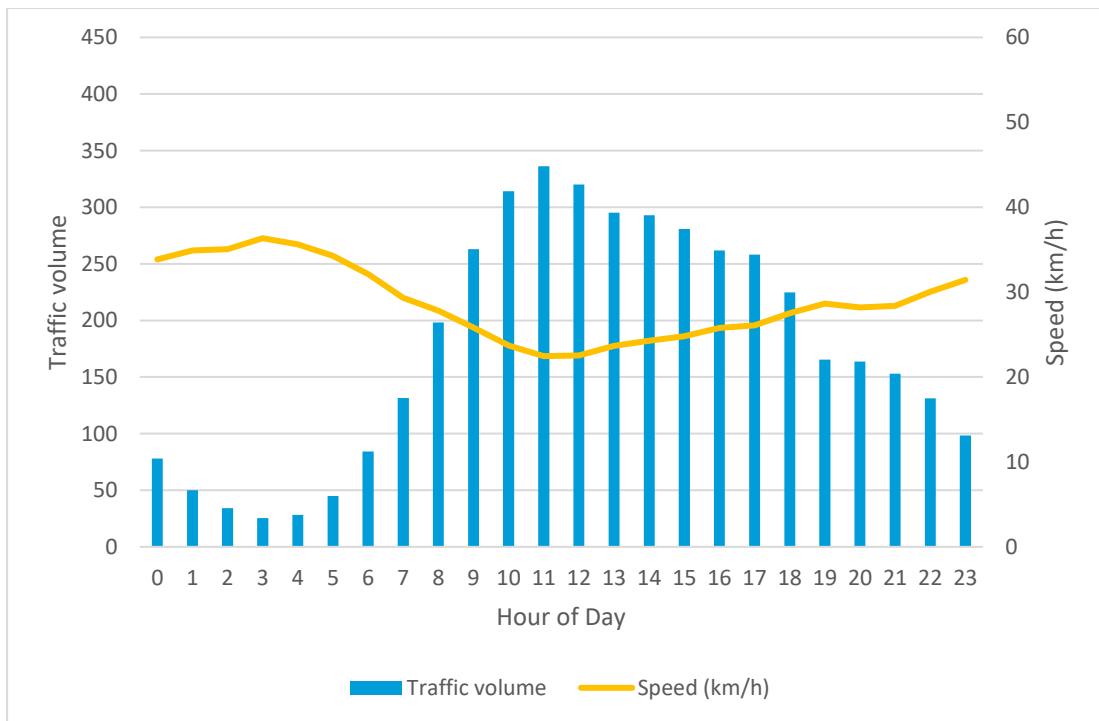


Figure E-8. Diurnal variation of mean traffic volume and speed (weekend)