Australian Government
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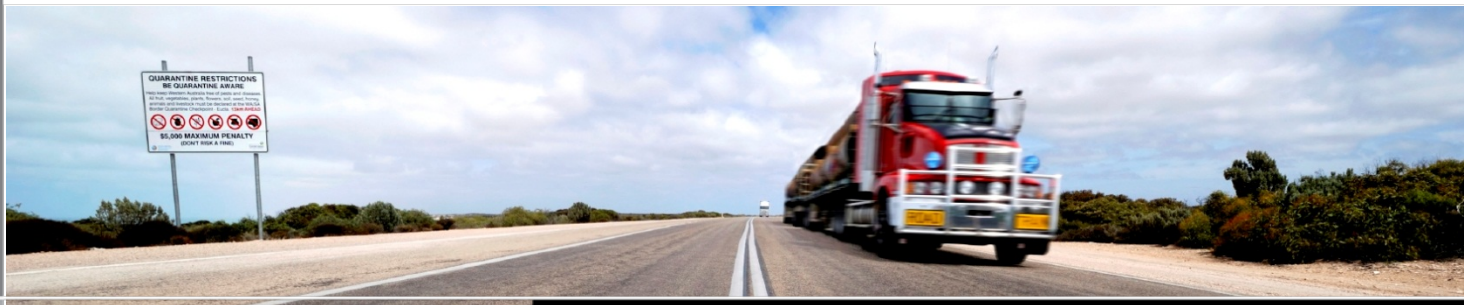
Bureau of Infrastructure, Transport and Regional Economics



Australian road freight estimates: 2014 update

At a glance

This Information Sheet presents estimates of the road freight task in Australia between 1971-72 and 2012-13. Estimates are available by state for interstate, intrastate and capital city road freight.

Of the states with total freight throughput greater than 10 billion tonne-kilometres (tkm) in 2012-13, Western Australia had the highest total freight growth rate at 4 per cent between 2011-12 and 2012-13. South Australia was second at 2.7 per cent and Victoria was third at 2.1 per cent. New South Wales and Queensland had growth rates of below 2 per cent.

In the period from 1971–72 to 2012–13 the total road freight estimate for Australia increased from 27.0 billion tkm in 1971-72 to 203.6 billion tkm in 2012-13.

Western Australia continues to have the highest historical growth rate for total interstate road freight averaging at 7.4 per cent per annum from 1971–72 to 2012–13.

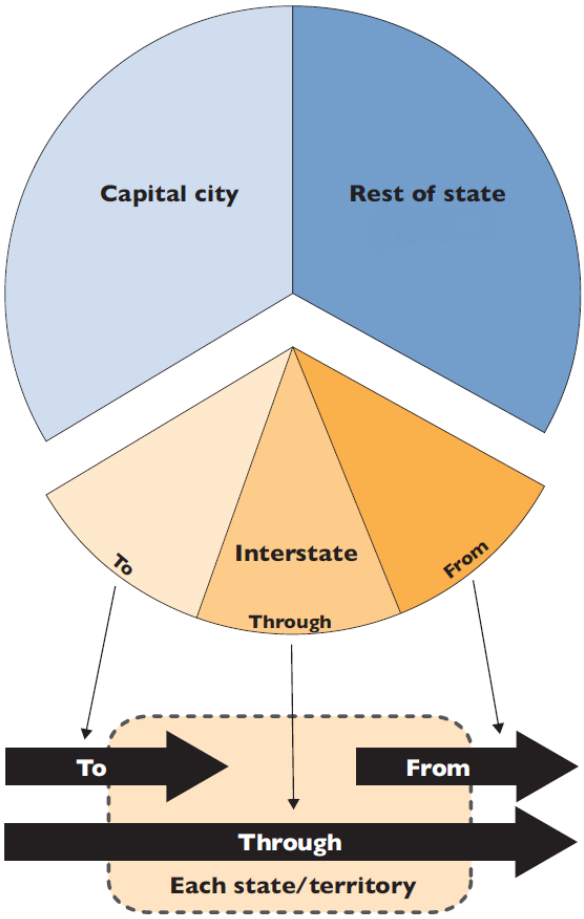
Brisbane maintains the highest historical growth rate for capital city road freight at 6.3 per cent per annum from 1971–72 to 2012–13.

1. Introduction

BITRE (2010) presents a methodology for estimating the road freight task in Australia in each state and territory.

The current analysis uses this methodology to update the values presented in BITRE (2010) to reflect new data from the 2012 issue of the Australian Bureau of Statistics' Survey of Motor Vehicle Use (ABS 2013). Updated estimates are presented for the road freight task for each state, territory and capital city between financial years 1971–72 and 2012–13. Figure 1 is a schematic representation of the estimates made for each state and territory.

Figure 1: Schematic diagram showing components of road freight estimates in a given state/ territory



Source: Modified from figure F2.1 in BITRE (2010).

2. Methodology

A key data source for the update of road freight estimates is the ABS Survey of Motor Vehicle Use (SMVU). SMVU data are available for those years when the survey was conducted. From 1971 to 1995, the survey (SMVU) was conducted every three to five years. From 1998 to 2007 it was conducted annually. It was not conducted in 2008 and 2009 but since 2010 it is conducted every two years.

The analysis starts with the derivation of Australia-level aggregates for each of the SMVU years. However, there is no overlap between the samples selected in consecutive years since the survey has not been specifically designed to measure the change between years. The ABS warns that 'Caution must be used when using the SMVU to measure change'. To derive SMVU-based time series estimates of road freight BITRE has developed methods for adjusting the raw SMVU data:

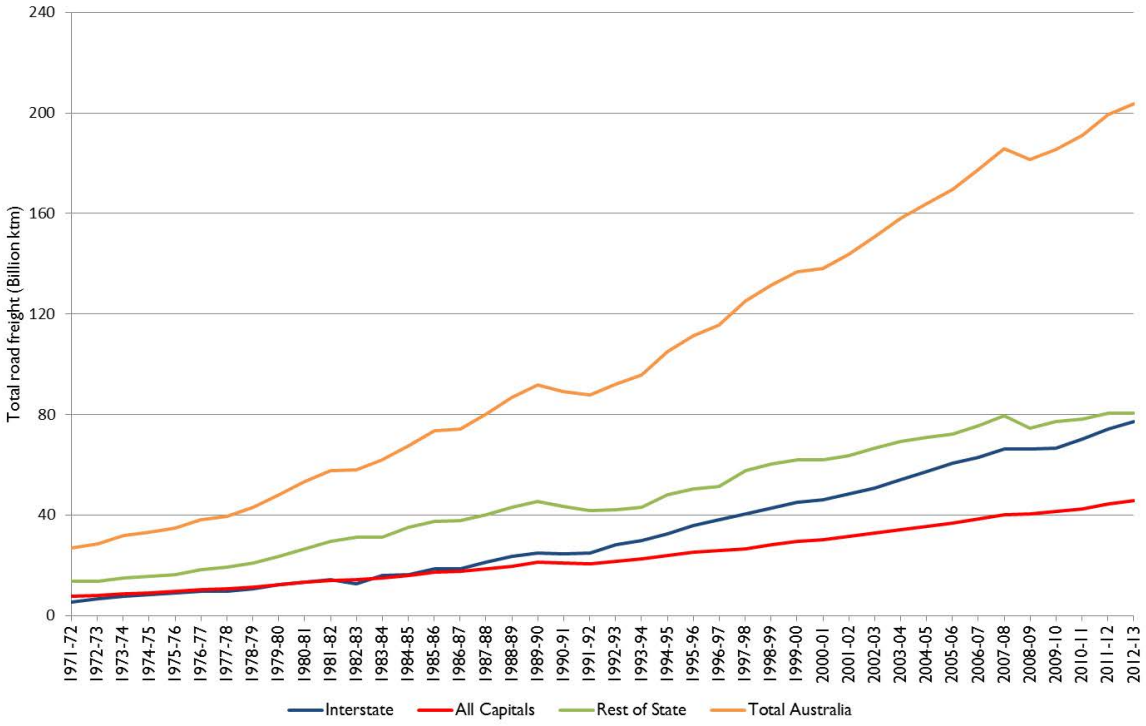
- To improve consistency in estimates over time;
- To adjust for vehicle stock numbers. For example, the interstate road freight task is defined by ABS as the amount of tonne-kilometres done by other States' trucks on a State's roads. But this definition is limited to 'freight carried by trucks *registered* in other states on a state's roads'. Adjustment is required before road freight in a given state can be derived;
- To correct for the overstating of vehicle kilometres travelled in recall surveys before 1998; and
- To correct the proportion of laden vehicles (especially in 1998 and 1999).

The development of these methods has been reported elsewhere (see Gargett, Hossain & Cosgrove (2006) Soames, Hossain & Gargett (2007), Gargett and Hossain (2008), and BITRE (2006, 2010)).

3. Total road freight estimates for Australia by state/ territory

Figure 2.1 shows the growth in Australia's total road freight split into interstate, capital city and rest of state (intrastate minus capital city). The global financial crisis dampened road freight growth only slightly and for a short time. Total road freight growth only deviated from the trend in the years 2008-09 and 2009-10, when only Western Australia and Northern Territory experienced more than 1% growth in total road freight. Interstate road freight growth was also dampened during this period, but reverted to a pre-crisis growth rate in the following years. This has also caused the estimates reported to be lower than the forecasts reported in the recent Freightline 1 report (BITRE 2014), which were based on SMVU data from 2007 and earlier.

Figure 2.1 Road freight estimates by interstate, capital cities and rest of state, Australia, 1971-72 to 2012-13



Source: BITRE estimates.

Table 2.1 presents the Australian national total freight. In the period from 1971–72 to 2012–13 the total road freight estimate for Australia increased from 26.98 billion tkm in 1971-72 to 203.59 billion tkm in 2012-13 (Figure 2.1 and Table 2.1). Each of the three components that make up the total also increased as follows:

- Australia's total interstate freight estimate increased from 5.39 billion tkm to 77.39 billion tkm;
- the total road freight estimate in the eight capital cities increased from 7.77 billion tkm to 45.83 billion tkm; and
- the rest of state (i.e. within the state) road freight estimate increased from 13.82 billion tkm to 80.37 billion tkm.

Tables 2.2 to 2.9 show the total interstate, capital city, and rest of state freight by state/ territory from 1971–72 to 2012–13.

Table 2.10 presents the average annual growth rates for the road freight estimates (1972-2012) and forecast for 2013 of interstate ('from', 'to', 'through', and 'total'), 'capital city', 'rest of state' and 'total state' (i.e. sum of interstate, capital city and rest of state) for each state and territory.

Table 2.1: Estimates of Australian national road freight (billion tkm)

Financial year	Interstate	Capital cities	Rest of Australia	Total Australia
1971–72	5.39	7.77	13.82	26.98
1972–73	6.63	8.21	13.63	28.47
1973–74	7.80	8.85	15.11	31.77
1974–75	8.35	9.21	15.55	33.11
1975–76	9.16	9.62	16.24	35.02
1976–77	9.66	10.27	18.33	38.26
1977–78	9.82	10.58	19.16	39.56
1978–79	10.83	11.35	20.94	43.12
1979–80	12.27	12.40	23.53	48.20
1980–81	13.25	13.33	26.71	53.29
1981–82	14.22	14.08	29.42	57.71
1982–83	12.79	14.20	31.17	58.16
1983–84	15.88	14.96	31.10	61.95
1984–85	16.44	16.12	35.18	67.74
1985–86	18.53	17.30	37.68	73.51
1986–87	18.81	17.57	37.94	74.32
1987–88	21.32	18.79	40.11	80.22
1988–89	23.66	19.76	43.31	86.73
1989–90	24.98	21.29	45.61	91.89
1990–91	24.58	20.99	43.57	89.14
1991–92	25.09	20.80	41.87	87.76
1992–93	28.24	21.70	42.27	92.20
1993–94	30.07	22.47	43.22	95.77
1994–95	32.67	24.03	48.17	104.87
1995–96	35.78	25.21	50.27	111.27
1999–97	38.14	26.08	51.31	115.54
1997–98	40.65	26.68	57.85	125.19
1998–99	42.92	28.19	60.37	131.48
1999–00	45.21	29.46	62.10	136.76
2000–01	46.09	30.10	62.07	138.25
2000–02	48.45	31.46	63.75	143.66
2002–03	50.83	32.94	66.79	150.56
2003–04	54.09	34.29	69.44	157.82
2004–05	57.44	35.56	71.09	164.08
2005–06	60.61	36.79	72.23	169.64
2006–07	63.14	38.63	75.71	177.48
2007–08	66.20	40.25	79.44	185.90
2008–09	66.34	40.57	74.64	181.55
2009–10	66.71	41.52	77.19	185.41
2010–11	70.21	42.58	78.37	191.16
2011–12	74.15	44.40	80.70	199.25
2012–13	77.39	45.83	80.37	203.59

Source: BITRE estimates.

Table 2.2: Estimates of Australian national road freight: New South Wales (billion tkm)

Financial Year	Interstate						
	From	To	Through	Total	Sydney	Rest of State	Total NSW
1971–72	1.06	1.08	0.61	2.75	3.06	4.39	10.21
1972–73	1.32	1.32	0.73	3.36	3.21	4.27	10.84
1973–74	1.56	1.53	0.84	3.93	3.43	4.66	12.02
1974–75	1.67	1.63	0.89	4.19	3.54	4.73	12.45
1975–76	1.88	1.82	0.99	4.69	3.66	4.86	13.21
1976–77	1.98	1.92	1.04	4.94	3.84	5.40	14.18
1977–78	2.02	1.95	1.05	5.01	3.89	5.55	14.46
1978–79	2.23	2.13	1.15	5.51	4.11	5.97	15.59
1979–80	2.52	2.39	1.28	6.20	4.45	6.60	17.25
1980–81	2.72	2.57	1.37	6.67	4.74	7.37	18.77
1981–82	2.92	2.74	1.47	7.13	4.96	7.86	19.94
1982–83	2.63	2.49	1.33	6.45	4.97	8.31	19.73
1983–84	3.26	3.03	1.62	7.91	5.20	8.28	21.39
1984–85	3.37	3.12	1.67	8.17	5.57	9.36	23.09
1985–86	3.79	3.48	1.86	9.12	5.94	10.05	25.11
1986–87	3.84	3.52	1.89	9.25	5.99	10.14	25.38
1987–88	4.33	3.93	2.12	10.37	6.36	10.75	27.49
1988–89	4.77	4.30	2.33	11.41	6.65	11.64	29.69
1989–90	5.02	4.51	2.45	11.98	7.11	12.29	31.38
1990–91	5.04	4.55	2.45	12.04	6.96	11.77	30.76
1991–92	5.11	4.60	2.49	12.20	6.87	11.34	30.41
1992–93	5.60	4.99	2.73	13.32	7.15	11.47	31.95
1993–94	5.97	5.30	2.91	14.18	7.38	11.76	33.32
1994–95	6.38	5.63	3.11	15.12	7.86	13.14	36.12
1995–96	7.04	6.19	3.44	16.66	8.22	13.75	38.63
1999–97	7.58	6.65	3.71	17.94	8.47	14.07	40.48
1997–98	8.14	7.13	3.99	19.26	8.63	15.91	43.80
1998–99	8.80	7.69	4.31	20.79	9.00	17.36	47.15
1999–00	9.41	8.29	4.62	22.32	9.26	17.47	49.05
2000–01	9.70	8.58	4.77	23.06	9.43	17.07	49.56
2000–02	10.30	9.08	5.07	24.45	9.67	16.52	50.63
2002–03	11.01	9.65	5.42	26.09	10.06	17.18	53.32
2003–04	11.72	10.24	5.79	27.74	10.33	17.65	55.72
2004–05	12.41	10.80	6.15	29.36	10.61	17.43	57.40
2005–06	13.06	11.40	6.50	30.96	10.80	16.00	57.76
2006–07	13.60	11.85	6.79	32.24	10.98	15.71	58.94
2007–08	14.22	12.36	7.12	33.70	11.34	15.94	60.97
2008–09	14.33	12.44	7.17	33.94	11.32	14.46	59.72
2009–10	14.43	12.52	7.22	34.17	11.47	14.42	60.06
2010–11	15.12	13.09	7.59	35.80	11.62	14.14	61.56
2011–12	15.98	13.79	8.05	37.83	11.96	14.04	63.83
2012–13	16.67	14.35	8.42	39.44	12.21	13.35	65.00

Source: BITRE estimates.

Table 2.3: Estimates of Australian national road freight: Victoria (billion tkm)

Financial Year	Interstate						
	From	To	Through	Total	Melbourne	Rest of State	Total VIC
1971–72	0.74	0.54	0.08	1.36	2.14	3.24	6.74
1972–73	0.89	0.67	0.09	1.66	2.26	3.19	7.11
1973–74	1.03	0.79	0.11	1.93	2.44	3.53	7.90
1974–75	1.09	0.85	0.12	2.06	2.54	3.62	8.22
1975–76	1.22	0.96	0.12	2.30	2.65	3.77	8.73
1976–77	1.28	1.02	0.13	2.42	2.83	4.25	9.50
1977–78	1.29	1.03	0.13	2.46	2.91	4.43	9.80
1978–79	1.41	1.14	0.14	2.70	3.12	4.83	10.64
1979–80	1.57	1.30	0.16	3.03	3.41	5.41	11.85
1980–81	1.68	1.40	0.17	3.25	3.67	6.13	13.06
1981–82	1.79	1.50	0.18	3.47	3.88	6.22	13.58
1982–83	1.63	1.35	0.17	3.15	3.93	6.19	13.27
1983–84	1.97	1.67	0.20	3.84	4.16	5.77	13.78
1984–85	2.03	1.73	0.21	3.97	4.51	6.07	14.54
1985–86	2.24	1.94	0.23	4.42	4.89	6.44	15.74
1986–87	2.27	1.97	0.24	4.47	5.02	6.42	15.90
1987–88	2.52	2.22	0.26	5.00	5.42	6.72	17.13
1988–89	2.74	2.44	0.29	5.48	5.75	7.18	18.40
1989–90	2.87	2.57	0.30	5.74	6.24	7.48	19.46
1990–91	2.88	2.60	0.29	5.76	6.20	7.08	19.04
1991–92	2.91	2.63	0.29	5.84	6.20	6.73	18.76
1992–93	3.14	2.86	0.33	6.34	6.51	6.72	19.58
1993–94	3.32	3.06	0.35	6.73	6.80	6.80	20.33
1994–95	3.51	3.26	0.38	7.15	7.33	7.50	21.97
1995–96	3.83	3.61	0.40	7.85	7.70	7.74	23.29
1999–97	4.10	3.91	0.42	8.42	7.98	7.82	24.22
1997–98	4.37	4.22	0.43	9.02	8.17	8.71	25.91
1998–99	4.69	4.59	0.45	9.73	8.66	8.90	27.29
1999–00	5.01	4.97	0.46	10.43	9.10	9.09	28.62
2000–01	5.16	5.16	0.46	10.78	9.26	9.17	29.21
2000–02	5.44	5.49	0.48	11.41	9.70	9.63	30.74
2002–03	5.77	5.87	0.50	12.14	10.03	10.11	32.27
2003–04	6.09	6.26	0.53	12.88	10.29	10.80	33.97
2004–05	6.41	6.63	0.55	13.59	10.52	11.07	35.19
2005–06	6.71	7.01	0.58	14.30	10.80	11.33	36.43
2006–07	6.96	7.31	0.60	14.87	11.17	11.60	37.65
2007–08	7.34	7.65	0.62	15.61	11.59	12.12	39.31
2008–09	7.29	7.71	0.62	15.62	11.62	11.33	38.57
2009–10	7.33	7.76	0.63	15.72	11.84	11.66	39.22
2010–11	7.64	8.14	0.66	16.43	12.06	11.71	40.20
2011–12	8.03	8.61	0.68	17.33	12.49	11.92	41.73
2012–13	8.33	8.99	0.71	18.03	12.82	11.75	42.59

Source: BITRE estimates.

Table 2.4: Estimates of Australian national road freight: Queensland (billion tkm)

Financial Year	Interstate						
	From	To	Through	Total	Brisbane	Rest of State	Total QLD
1971–72	0.16	0.27	0.00	0.43	0.70	2.87	4.00
1972–73	0.20	0.32	0.00	0.52	0.76	2.88	4.17
1973–74	0.24	0.37	0.00	0.61	0.85	3.25	4.70
1974–75	0.26	0.39	0.00	0.65	0.91	3.40	4.95
1975–76	0.30	0.44	0.00	0.73	0.97	3.60	5.31
1976–77	0.31	0.46	0.00	0.77	1.12	4.13	6.02
1977–78	0.32	0.46	0.00	0.78	1.24	4.39	6.40
1978–79	0.36	0.50	0.00	0.86	1.41	4.87	7.14
1979–80	0.41	0.56	0.00	0.96	1.63	5.56	8.15
1980–81	0.44	0.59	0.00	1.04	1.85	6.40	9.28
1981–82	0.48	0.63	0.00	1.11	2.05	7.11	10.27
1982–83	0.43	0.58	0.00	1.00	2.08	7.55	10.63
1983–84	0.54	0.69	0.00	1.23	2.20	7.54	10.97
1984–85	0.56	0.71	0.00	1.27	2.38	8.54	12.19
1985–86	0.63	0.79	0.00	1.42	2.56	9.14	13.12
1986–87	0.64	0.80	0.00	1.44	2.60	9.20	13.24
1987–88	0.73	0.88	0.00	1.61	2.78	9.72	14.12
1988–89	0.81	0.96	0.00	1.77	2.92	10.49	15.19
1989–90	0.86	1.01	0.00	1.86	3.14	11.04	16.05
1990–91	0.86	1.02	0.00	1.88	3.09	10.54	15.52
1991–92	0.88	1.03	0.00	1.91	3.08	10.13	15.12
1992–93	0.97	1.11	0.00	2.08	3.24	10.22	15.53
1993–94	1.04	1.18	0.00	2.22	3.37	10.44	16.03
1994–95	1.12	1.25	0.00	2.37	3.63	11.63	17.63
1995–96	1.25	1.37	0.00	2.62	3.87	12.13	18.62
1999–97	1.36	1.48	0.00	2.83	4.07	12.37	19.27
1997–98	1.47	1.58	0.00	3.05	4.23	13.94	21.22
1998–99	1.61	1.71	0.00	3.31	4.67	14.24	22.22
1999–00	1.73	1.84	0.00	3.57	4.99	14.54	23.10
2000–01	1.80	1.90	0.00	3.70	5.24	14.67	23.61
2000–02	1.92	2.01	0.00	3.93	5.67	15.40	25.01
2002–03	2.02	2.08	0.00	4.09	6.13	16.17	26.39
2003–04	2.16	2.20	0.00	4.36	6.54	17.29	28.19
2004–05	2.30	2.33	0.00	4.63	6.95	18.45	30.03
2005–06	2.44	2.45	0.00	4.89	7.20	18.88	30.97
2006–07	2.55	2.55	0.00	5.10	7.76	19.34	32.21
2007–08	2.68	2.66	0.00	5.34	8.17	20.19	33.71
2008–09	2.70	2.68	0.00	5.39	8.32	18.88	32.59
2009–10	2.72	2.70	0.00	5.42	8.61	19.43	33.46
2010–11	2.87	2.83	0.00	5.69	8.96	19.51	34.16
2011–12	3.05	2.98	0.00	6.03	9.49	19.86	35.38
2012–13	3.19	3.10	0.00	6.30	9.91	19.58	35.78

Source: BITRE estimates.

Table 2.5: Estimates of Australian national road freight: South Australia (billion tkm)

Financial Year	Interstate						
	From	To	Through	Total	Adelaide	Rest of State	Total SA
1971–72	0.21	0.18	0.10	0.49	0.73	1.54	2.75
1972–73	0.26	0.22	0.14	0.62	0.77	1.46	2.84
1973–74	0.31	0.26	0.19	0.76	0.82	1.54	3.12
1974–75	0.33	0.28	0.21	0.82	0.85	1.52	3.19
1975–76	0.36	0.30	0.18	0.84	0.88	1.51	3.23
1976–77	0.38	0.32	0.19	0.89	0.93	1.61	3.44
1977–78	0.39	0.33	0.20	0.91	0.95	1.60	3.46
1978–79	0.43	0.36	0.23	1.02	1.01	1.65	3.69
1979–80	0.49	0.41	0.29	1.19	1.03	1.74	3.96
1980–81	0.54	0.44	0.33	1.31	1.02	1.85	4.18
1981–82	0.58	0.48	0.37	1.42	0.99	1.64	4.06
1982–83	0.52	0.43	0.31	1.25	1.01	1.69	3.95
1983–84	0.65	0.54	0.44	1.63	1.06	1.64	4.33
1984–85	0.68	0.56	0.47	1.70	1.15	1.80	4.65
1985–86	0.79	0.64	0.56	1.98	1.23	1.93	5.14
1986–87	0.82	0.65	0.55	2.03	1.25	1.94	5.22
1987–88	0.97	0.76	0.66	2.38	1.34	2.04	5.77
1988–89	1.12	0.85	0.75	2.73	1.40	2.20	6.34
1989–90	1.23	0.92	0.79	2.94	1.51	2.32	6.76
1990–91	1.19	0.91	0.63	2.73	1.48	2.21	6.41
1991–92	1.26	0.94	0.65	2.85	1.46	2.12	6.43
1992–93	1.55	1.09	0.86	3.51	1.52	2.14	7.17
1993–94	1.70	1.19	0.88	3.77	1.57	2.18	7.52
1994–95	1.98	1.33	1.00	4.31	1.68	2.43	8.42
1995–96	2.20	1.47	1.00	4.67	1.76	2.53	8.97
1999–97	2.35	1.59	0.95	4.88	1.83	2.58	9.29
1997–98	2.52	1.71	0.90	5.12	1.87	2.90	9.90
1998–99	2.50	1.77	0.82	5.08	1.94	2.98	10.00
1999–00	2.31	2.01	0.74	5.06	1.99	3.64	10.68
2000–01	2.15	2.12	0.67	4.94	2.00	3.67	10.61
2000–02	2.22	2.19	0.64	5.05	2.07	3.85	10.98
2002–03	2.28	2.13	0.67	5.09	2.19	4.04	11.33
2003–04	2.43	2.28	0.72	5.43	2.28	4.32	12.03
2004–05	2.61	2.44	0.80	5.85	2.41	4.43	12.69
2005–06	2.60	2.75	0.85	6.20	2.52	4.53	13.25
2006–07	2.71	2.87	0.89	6.47	2.65	4.64	13.77
2007–08	2.85	3.03	0.95	6.83	2.77	4.85	14.44
2008–09	2.84	3.00	0.92	6.77	2.80	4.53	14.10
2009–10	2.85	3.01	0.91	6.77	2.87	4.66	14.31
2010–11	3.03	3.22	1.01	7.25	2.96	4.68	14.89
2011–12	3.20	3.40	1.06	7.66	3.10	4.77	15.52
2012–13	3.34	3.56	1.12	8.03	3.21	4.70	15.94

Source: BITRE estimates.

Table 2.6: Estimates of Australian national road freight: Western Australia (billion tkm)

Financial Year	Interstate						
	From	To	Through	Total	Perth	Rest of State	Total WA
1971–72	0.09	0.09	0.00	0.18	0.86	1.44	2.47
1972–73	0.12	0.14	0.00	0.26	0.91	1.49	2.65
1973–74	0.14	0.20	0.00	0.35	0.98	1.72	3.05
1974–75	0.15	0.24	0.00	0.39	1.02	1.85	3.26
1975–76	0.13	0.21	0.00	0.33	1.07	2.01	3.41
1976–77	0.13	0.24	0.00	0.36	1.15	2.36	3.87
1977–78	0.13	0.24	0.00	0.38	1.18	2.56	4.11
1978–79	0.15	0.29	0.00	0.45	1.27	2.89	4.61
1979–80	0.19	0.37	0.00	0.55	1.39	3.37	5.31
1980–81	0.21	0.42	0.00	0.63	1.49	3.95	6.08
1981–82	0.24	0.48	0.00	0.72	1.58	5.41	7.70
1982–83	0.20	0.40	0.00	0.60	1.57	6.19	8.36
1983–84	0.28	0.58	0.00	0.87	1.64	6.63	9.14
1984–85	0.30	0.62	0.00	0.92	1.75	8.01	10.68
1985–86	0.36	0.77	0.00	1.13	1.89	8.57	11.59
1986–87	0.37	0.79	0.00	1.16	1.92	8.62	11.71
1987–88	0.46	0.98	0.00	1.44	2.06	9.11	12.61
1988–89	0.54	1.18	0.00	1.71	2.18	9.83	13.73
1989–90	0.59	1.29	0.00	1.88	2.37	10.35	14.60
1990–91	0.50	1.08	0.00	1.58	2.36	9.88	13.82
1991–92	0.54	1.16	0.00	1.70	2.34	9.49	13.53
1992–93	0.72	1.62	0.00	2.34	2.45	9.58	14.37
1993–94	0.77	1.74	0.00	2.51	2.55	9.79	14.84
1994–95	0.91	2.10	0.00	3.01	2.73	10.90	16.65
1995–96	0.97	2.23	0.00	3.20	2.87	11.37	17.44
1999–97	0.99	2.25	0.00	3.24	2.97	11.60	17.81
1997–98	1.02	2.29	0.00	3.31	3.04	13.07	19.42
1998–99	0.96	2.09	0.00	3.04	3.19	13.35	19.58
1999–00	1.20	1.59	0.00	2.80	3.37	13.63	19.80
2000–01	1.31	1.24	0.00	2.55	3.45	13.75	19.75
2000–02	1.28	1.21	0.00	2.49	3.62	14.44	20.55
2002–03	1.32	1.25	0.00	2.57	3.78	15.16	21.51
2003–04	1.42	1.35	0.00	2.77	4.07	16.21	23.05
2004–05	1.57	1.49	0.00	3.06	4.22	16.61	23.89
2005–06	1.95	1.32	0.00	3.27	4.55	18.35	26.18
2006–07	2.05	1.39	0.00	3.44	5.16	21.30	29.90
2007–08	2.19	1.48	0.00	3.67	5.44	23.10	32.21
2008–09	2.13	1.44	0.00	3.57	5.54	22.42	31.52
2009–10	2.11	1.44	0.00	3.55	5.73	23.91	33.19
2010–11	2.33	1.59	0.00	3.91	5.98	25.26	35.15
2011–12	2.46	1.68	0.00	4.14	6.35	27.01	37.49
2012–13	2.60	1.78	0.00	4.38	6.64	27.98	39.00

Source: BITRE estimates.

Table 2.7: Estimates of Australian national road freight: Tasmania (billion tkm)

Financial Year	Interstate						
	From	To	Through	Total	Hobart	Rest of State	Total TAS
1971–72	0.00	0.00	0.00	0.00	0.13	0.29	0.42
1972–73	0.00	0.00	0.00	0.00	0.14	0.30	0.44
1973–74	0.00	0.00	0.00	0.00	0.16	0.35	0.51
1974–75	0.00	0.00	0.00	0.00	0.17	0.38	0.55
1975–76	0.00	0.00	0.00	0.00	0.18	0.42	0.60
1976–77	0.00	0.00	0.00	0.00	0.19	0.49	0.68
1977–78	0.00	0.00	0.00	0.00	0.20	0.54	0.74
1978–79	0.00	0.00	0.00	0.00	0.22	0.61	0.83
1979–80	0.00	0.00	0.00	0.00	0.23	0.72	0.95
1980–81	0.00	0.00	0.00	0.00	0.24	0.84	1.09
1981–82	0.00	0.00	0.00	0.00	0.25	0.97	1.22
1982–83	0.00	0.00	0.00	0.00	0.27	1.03	1.29
1983–84	0.00	0.00	0.00	0.00	0.29	1.02	1.31
1984–85	0.00	0.00	0.00	0.00	0.33	1.15	1.48
1985–86	0.00	0.00	0.00	0.00	0.34	1.25	1.59
1986–87	0.00	0.00	0.00	0.00	0.34	1.27	1.61
1987–88	0.00	0.00	0.00	0.00	0.35	1.36	1.70
1988–89	0.00	0.00	0.00	0.00	0.36	1.48	1.84
1989–90	0.00	0.00	0.00	0.00	0.38	1.57	1.95
1990–91	0.00	0.00	0.00	0.00	0.36	1.52	1.88
1991–92	0.00	0.00	0.00	0.00	0.34	1.47	1.81
1992–93	0.00	0.00	0.00	0.00	0.33	1.50	1.83
1993–94	0.00	0.00	0.00	0.00	0.33	1.55	1.87
1994–95	0.00	0.00	0.00	0.00	0.33	1.74	2.07
1995–96	0.00	0.00	0.00	0.00	0.31	1.83	2.14
1999–97	0.00	0.00	0.00	0.00	0.29	1.89	2.18
1997–98	0.00	0.00	0.00	0.00	0.26	2.15	2.41
1998–99	0.00	0.00	0.00	0.00	0.27	2.36	2.64
1999–00	0.00	0.00	0.00	0.00	0.28	2.51	2.79
2000–01	0.00	0.00	0.00	0.00	0.28	2.51	2.79
2000–02	0.00	0.00	0.00	0.00	0.30	2.62	2.92
2002–03	0.00	0.00	0.00	0.00	0.31	2.79	3.10
2003–04	0.00	0.00	0.00	0.00	0.34	2.92	3.26
2004–05	0.00	0.00	0.00	0.00	0.35	2.87	3.22
2005–06	0.00	0.00	0.00	0.00	0.36	2.90	3.26
2006–07	0.00	0.00	0.00	0.00	0.37	2.88	3.25
2007–08	0.00	0.00	0.00	0.00	0.39	3.00	3.39
2008–09	0.00	0.00	0.00	0.00	0.39	2.79	3.19
2009–10	0.00	0.00	0.00	0.00	0.41	2.86	3.27
2010–11	0.00	0.00	0.00	0.00	0.39	2.84	3.23
2011–12	0.00	0.00	0.00	0.00	0.37	2.86	3.23
2012–13	0.00	0.00	0.00	0.00	0.38	2.79	3.16

Source: BITRE estimates.

Table 2.8: Estimates of Australian national road freight: Northern Territory (billion tkm)

Financial Year	Interstate						
	From	To	Through	Total	Darwin	Rest of State	Total NT
1971–72	0.07	0.10	0.00	0.17	0.05	0.04	0.27
1972–73	0.08	0.11	0.00	0.20	0.05	0.05	0.30
1973–74	0.09	0.13	0.00	0.22	0.06	0.06	0.34
1974–75	0.10	0.14	0.00	0.23	0.06	0.06	0.36
1975–76	0.11	0.15	0.00	0.26	0.06	0.07	0.39
1976–77	0.11	0.16	0.00	0.27	0.06	0.09	0.42
1977–78	0.11	0.16	0.00	0.27	0.06	0.10	0.43
1978–79	0.12	0.17	0.00	0.29	0.06	0.11	0.46
1979–80	0.13	0.19	0.00	0.32	0.09	0.13	0.55
1980–81	0.14	0.20	0.00	0.34	0.13	0.16	0.63
1981–82	0.15	0.21	0.00	0.36	0.17	0.21	0.74
1982–83	0.14	0.20	0.00	0.33	0.18	0.22	0.73
1983–84	0.16	0.23	0.00	0.40	0.19	0.22	0.81
1984–85	0.17	0.24	0.00	0.41	0.21	0.26	0.87
1985–86	0.18	0.26	0.00	0.45	0.22	0.31	0.97
1986–87	0.19	0.27	0.00	0.45	0.21	0.35	1.01
1987–88	0.20	0.29	0.00	0.50	0.22	0.41	1.12
1988–89	0.22	0.32	0.00	0.54	0.23	0.49	1.26
1989–90	0.23	0.33	0.00	0.56	0.25	0.56	1.37
1990–91	0.23	0.33	0.00	0.57	0.25	0.58	1.39
1991–92	0.24	0.34	0.00	0.57	0.23	0.59	1.40
1992–93	0.26	0.36	0.00	0.62	0.23	0.64	1.49
1993–94	0.27	0.38	0.00	0.65	0.23	0.70	1.58
1994–95	0.29	0.40	0.00	0.69	0.23	0.83	1.74
1995–96	0.31	0.44	0.00	0.75	0.23	0.91	1.90
1999–97	0.34	0.47	0.00	0.81	0.24	0.98	2.02
1997–98	0.36	0.50	0.00	0.86	0.24	1.16	2.26
1998–99	0.39	0.54	0.00	0.93	0.23	1.19	2.35
1999–00	0.42	0.57	0.00	1.00	0.23	1.21	2.43
2000–01	0.44	0.59	0.00	1.03	0.21	1.22	2.46
2000–02	0.46	0.63	0.00	1.09	0.19	1.28	2.56
2002–03	0.25	0.57	0.00	0.82	0.18	1.35	2.34
2003–04	0.26	0.60	0.00	0.86	0.19	0.25	1.30
2004–05	0.27	0.63	0.00	0.90	0.21	0.22	1.33
2005–06	0.28	0.66	0.00	0.94	0.27	0.23	1.44
2006–07	0.29	0.68	0.00	0.98	0.26	0.23	1.47
2007–08	0.30	0.71	0.00	1.01	0.29	0.24	1.55
2008–09	0.31	0.71	0.00	1.02	0.31	0.23	1.56
2009–10	0.31	0.72	0.00	1.03	0.33	0.23	1.59
2010–11	0.32	0.75	0.00	1.07	0.32	0.23	1.62
2011–12	0.34	0.78	0.00	1.12	0.31	0.24	1.67
2012–13	0.35	0.81	0.00	1.16	0.32	0.23	1.72

Source: BITRE estimates.

Table 2.9: Estimates of Australian national road freight: ACT (billion tkm)

Financial Year	Interstate						
	From	To	Through	Total	Canberra	Rest of State	Total ACT
1971–72	0.00	0.00	0.00	0.00	0.11	0.00	0.11
1972–73	0.00	0.00	0.00	0.01	0.12	0.00	0.12
1973–74	0.00	0.01	0.00	0.01	0.13	0.00	0.13
1974–75	0.00	0.01	0.00	0.01	0.13	0.00	0.14
1975–76	0.00	0.01	0.00	0.01	0.14	0.00	0.14
1976–77	0.00	0.01	0.00	0.01	0.14	0.00	0.15
1977–78	0.00	0.01	0.00	0.01	0.15	0.00	0.16
1978–79	0.00	0.01	0.00	0.01	0.16	0.00	0.17
1979–80	0.00	0.01	0.00	0.01	0.17	0.00	0.18
1980–81	0.00	0.01	0.00	0.01	0.18	0.00	0.20
1981–82	0.00	0.01	0.00	0.01	0.19	0.00	0.21
1982–83	0.00	0.01	0.00	0.01	0.20	0.00	0.21
1983–84	0.00	0.01	0.00	0.01	0.21	0.00	0.22
1984–85	0.00	0.01	0.00	0.01	0.22	0.00	0.24
1985–86	0.00	0.01	0.00	0.01	0.24	0.00	0.25
1986–87	0.00	0.01	0.00	0.01	0.24	0.00	0.26
1987–88	0.00	0.01	0.00	0.02	0.26	0.00	0.28
1988–89	0.00	0.01	0.00	0.02	0.27	0.00	0.29
1989–90	0.00	0.01	0.00	0.02	0.29	0.00	0.31
1990–91	0.00	0.01	0.00	0.02	0.29	0.00	0.31
1991–92	0.00	0.01	0.00	0.02	0.27	0.00	0.29
1992–93	0.00	0.02	0.00	0.02	0.26	0.00	0.28
1993–94	0.00	0.02	0.00	0.02	0.25	0.00	0.27
1994–95	0.00	0.02	0.00	0.02	0.24	0.00	0.27
1995–96	0.00	0.02	0.00	0.02	0.25	0.00	0.27
1999–97	0.01	0.02	0.00	0.03	0.24	0.00	0.27
1997–98	0.01	0.02	0.00	0.03	0.24	0.00	0.26
1998–99	0.01	0.02	0.00	0.03	0.24	0.00	0.27
1999–00	0.01	0.03	0.00	0.03	0.25	0.00	0.28
2000–01	0.01	0.03	0.00	0.03	0.23	0.00	0.26
2000–02	0.01	0.03	0.00	0.03	0.24	0.00	0.27
2002–03	0.01	0.03	0.00	0.04	0.25	0.00	0.29
2003–04	0.01	0.03	0.00	0.04	0.26	0.00	0.30
2004–05	0.01	0.03	0.00	0.04	0.28	0.00	0.32
2005–06	0.01	0.03	0.00	0.04	0.30	0.00	0.34
2006–07	0.01	0.04	0.00	0.04	0.26	0.00	0.30
2007–08	0.01	0.04	0.00	0.05	0.27	0.00	0.31
2008–09	0.01	0.04	0.00	0.05	0.27	0.00	0.31
2009–10	0.01	0.04	0.00	0.05	0.27	0.00	0.31
2010–11	0.01	0.04	0.00	0.05	0.29	0.00	0.34
2011–12	0.01	0.04	0.00	0.05	0.33	0.00	0.38
2012–13	0.01	0.04	0.00	0.05	0.35	0.00	0.40

Source: BITRE estimates.

Table 2.10: Average annual growth rates (per cent) of road freight estimates by states/territories, 1972 to 2013

	Interstate						
Period	From	To	Through	Total	Capital	Rest of State	Total State
New South Wales							
1972-2012	6.69	6.30	6.49	6.50	3.51	3.55	4.82
2012-2013	4.28	4.03	4.59	4.25	2.08	-4.93	1.82
Victoria							
1972-2012	5.87	6.85	5.26	6.28	4.63	3.20	4.60
2012-2013	3.76	4.36	3.69	4.05	2.64	-1.43	2.06
Queensland							
1972-2012	7.33	5.96	nd	6.57	6.36	4.93	5.46
2012-2013	4.73	4.13	nd	4.43	4.43	-1.43	1.14
South Australia							
1972-2012	7.02	7.60	4.84	6.84	3.59	3.46	4.70
2012-2013	4.62	4.85	5.71	4.87	3.52	-1.43	2.67
Western Australia							
1972-2012	8.86	6.36	nd	7.54	4.91	7.03	6.57
2012-2013	5.75	5.96	nd	5.84	4.60	3.60	4.01
Tasmania							
1972-2012	nd	nd	nd	nd	1.99	5.90	5.17
2012-2013	nd	nd	nd	nd	0.78	-2.60	-2.21
Northern Territory							
1972-2012	3.77	5.15	nd	4.66	4.14	4.87	4.81
2012-2013	3.73	3.62	nd	3.65	3.23	-1.43	2.85
Australian Capital Territory							
1972-2012	5.44	5.98	nd	5.87	2.03	nd	2.36
2012-2013	3.28	3.87	nd	3.76	6.01	nd	5.71

Note: From 1972 to 2012 means from 1971–72 to 2011–12 and from 2012 to 2013 means 2011-12 to 2012-13.

nd: Not determined

Source: BITRE estimates.

Appendix A

Capital city and rest of state shares

Table A.1: Capital city shares

Financial year	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin	Canberra	All Capitals
1971–72	0.394	0.275	0.090	0.094	0.110	0.017	0.006	0.014	1.000
1972–73	0.390	0.275	0.093	0.093	0.111	0.017	0.006	0.014	1.000
1973–74	0.387	0.275	0.096	0.093	0.111	0.018	0.006	0.014	1.000
1974–75	0.384	0.276	0.098	0.092	0.111	0.018	0.007	0.014	1.000
1975–76	0.381	0.276	0.101	0.092	0.111	0.019	0.007	0.014	1.000
1976–77	0.374	0.275	0.109	0.091	0.112	0.019	0.006	0.014	1.000
1977–78	0.368	0.275	0.117	0.090	0.112	0.019	0.005	0.014	1.000
1978–79	0.362	0.274	0.125	0.089	0.112	0.019	0.005	0.014	1.000
1979–80	0.359	0.275	0.132	0.083	0.112	0.019	0.007	0.014	1.000
1980–81	0.355	0.275	0.139	0.077	0.112	0.018	0.010	0.014	1.000
1981–82	0.352	0.276	0.145	0.071	0.112	0.018	0.012	0.014	1.000
1982–83	0.350	0.277	0.146	0.071	0.111	0.019	0.013	0.014	1.000
1983–84	0.348	0.278	0.147	0.071	0.110	0.020	0.013	0.014	1.000
1984–85	0.346	0.280	0.148	0.071	0.109	0.020	0.013	0.014	1.000
1985–86	0.343	0.283	0.148	0.071	0.109	0.020	0.012	0.014	1.000
1986–87	0.341	0.285	0.148	0.071	0.109	0.019	0.012	0.014	1.000
1987–88	0.339	0.288	0.148	0.071	0.110	0.019	0.011	0.014	1.000
1988–89	0.336	0.291	0.148	0.071	0.110	0.018	0.012	0.014	1.000
1989–90	0.334	0.293	0.148	0.071	0.111	0.018	0.012	0.014	1.000
1990–91	0.332	0.296	0.147	0.070	0.112	0.017	0.012	0.014	1.000
1991–92	0.330	0.298	0.148	0.070	0.113	0.016	0.011	0.013	1.000
1992–93	0.329	0.300	0.149	0.070	0.113	0.015	0.011	0.012	1.000
1993–94	0.328	0.303	0.150	0.070	0.113	0.014	0.010	0.011	1.000
1994–95	0.327	0.305	0.151	0.070	0.114	0.014	0.009	0.010	1.000
1995–96	0.326	0.305	0.154	0.070	0.114	0.012	0.009	0.010	1.000
1999–97	0.325	0.306	0.156	0.070	0.114	0.011	0.009	0.009	1.000
1997–98	0.323	0.306	0.158	0.070	0.114	0.010	0.009	0.009	1.000
1998–99	0.319	0.307	0.166	0.069	0.113	0.010	0.008	0.008	1.000
1999–00	0.314	0.309	0.169	0.067	0.114	0.009	0.008	0.008	1.000
2000–01	0.313	0.308	0.174	0.066	0.114	0.009	0.007	0.008	1.000
2000–02	0.307	0.308	0.180	0.066	0.115	0.009	0.006	0.008	1.000
2002–03	0.305	0.304	0.186	0.067	0.115	0.009	0.005	0.008	1.000
2003–04	0.301	0.300	0.191	0.066	0.119	0.010	0.006	0.008	1.000
2004–05	0.298	0.296	0.195	0.068	0.119	0.010	0.006	0.008	1.000
2005–06	0.293	0.293	0.196	0.068	0.124	0.010	0.007	0.008	1.000
2006–07	0.284	0.289	0.201	0.069	0.134	0.010	0.007	0.007	1.000
2007–08	0.282	0.288	0.203	0.069	0.135	0.010	0.007	0.007	1.000
2008–09	0.279	0.287	0.205	0.069	0.137	0.010	0.008	0.007	1.000

(continued)

Table A.1: Capital city shares (continued)

Financial year	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin	Canberra	All Capitals
2009–10	0.276	0.285	0.207	0.069	0.138	0.010	0.008	0.006	1.000
2010–11	0.273	0.283	0.210	0.069	0.140	0.009	0.007	0.007	1.000
2011–12	0.269	0.281	0.214	0.070	0.143	0.008	0.007	0.007	1.000
2012–13	0.266	0.280	0.216	0.070	0.145	0.008	0.007	0.008	1.000

Source: BITRE estimates.

Table A.2: Rest of state shares

Financial year	NSW	VIC	QLD	SA	WA	TAS	NT	ACT	Australia
1971–72	0.318	0.235	0.208	0.112	0.104	0.021	0.003	0.000	1.000
1972–73	0.313	0.234	0.211	0.107	0.109	0.022	0.003	0.000	1.000
1973–74	0.309	0.233	0.215	0.102	0.114	0.023	0.004	0.000	1.000
1974–75	0.304	0.233	0.218	0.097	0.119	0.024	0.004	0.000	1.000
1975–76	0.299	0.232	0.222	0.093	0.124	0.026	0.004	0.000	1.000
1976–77	0.295	0.232	0.225	0.088	0.129	0.027	0.005	0.000	1.000
1977–78	0.290	0.231	0.229	0.083	0.133	0.028	0.005	0.000	1.000
1978–79	0.285	0.231	0.233	0.079	0.138	0.029	0.005	0.000	1.000
1979–80	0.281	0.230	0.236	0.074	0.143	0.030	0.006	0.000	1.000
1980–81	0.276	0.230	0.240	0.069	0.148	0.032	0.006	0.000	1.000
1981–82	0.267	0.211	0.242	0.056	0.184	0.033	0.007	0.000	1.000
1982–83	0.267	0.198	0.242	0.054	0.198	0.033	0.007	0.000	1.000
1983–84	0.266	0.185	0.242	0.053	0.213	0.033	0.007	0.000	1.000
1984–85	0.266	0.172	0.243	0.051	0.228	0.033	0.007	0.000	1.000
1985–86	0.267	0.171	0.243	0.051	0.227	0.033	0.008	0.000	1.000
1986–87	0.267	0.169	0.242	0.051	0.227	0.033	0.009	0.000	1.000
1987–88	0.268	0.167	0.242	0.051	0.227	0.034	0.010	0.000	1.000
1988–89	0.269	0.166	0.242	0.051	0.227	0.034	0.011	0.000	1.000
1989–90	0.269	0.164	0.242	0.051	0.227	0.034	0.012	0.000	1.000
1990–91	0.270	0.162	0.242	0.051	0.227	0.035	0.013	0.000	1.000
1991–92	0.271	0.161	0.242	0.051	0.227	0.035	0.014	0.000	1.000
1992–93	0.271	0.159	0.242	0.051	0.227	0.035	0.015	0.000	1.000
1993–94	0.272	0.157	0.242	0.051	0.226	0.036	0.016	0.000	1.000
1994–95	0.273	0.156	0.241	0.050	0.226	0.036	0.017	0.000	1.000
1995–96	0.274	0.154	0.241	0.050	0.226	0.036	0.018	0.000	1.000
1999–97	0.274	0.152	0.241	0.050	0.226	0.037	0.019	0.000	1.000
1997–98	0.275	0.151	0.241	0.050	0.226	0.037	0.020	0.000	1.000
1998–99	0.288	0.147	0.236	0.049	0.221	0.039	0.020	0.000	1.000
1999–00	0.281	0.146	0.234	0.059	0.220	0.040	0.020	0.000	1.000
2000–01	0.275	0.148	0.236	0.059	0.222	0.040	0.020	0.000	1.000
2000–02	0.259	0.151	0.242	0.060	0.227	0.041	0.020	0.000	1.000
2002–03	0.257	0.151	0.242	0.061	0.227	0.042	0.020	0.000	1.000

(continued)

Table A.2: Rest of state shares (continued)

Financial year	NSW	VIC	QLD	SA	WA	TAS	NT	ACT	Australia
2003–04	0.254	0.156	0.249	0.062	0.233	0.042	0.004	0.000	1.000
2004–05	0.245	0.156	0.260	0.062	0.234	0.040	0.003	0.000	1.000
2005–06	0.222	0.157	0.261	0.063	0.254	0.040	0.003	0.000	1.000
2006–07	0.208	0.153	0.255	0.061	0.281	0.038	0.003	0.000	1.000
2007–08	0.201	0.153	0.254	0.061	0.291	0.038	0.003	0.000	1.000
2008–09	0.194	0.152	0.253	0.061	0.300	0.037	0.003	0.000	1.000
2009–10	0.187	0.151	0.252	0.060	0.310	0.037	0.003	0.000	1.000
2010–11	0.180	0.149	0.249	0.060	0.322	0.036	0.003	0.000	1.000
2011–12	0.174	0.148	0.246	0.059	0.335	0.035	0.003	0.000	1.000
2012–13	0.166	0.146	0.244	0.058	0.348	0.035	0.003	0.000	1.000

Source: BITRE estimates.

References

Australian Bureau of Statistics (ABS) 2013, *Survey of Motor Vehicle Use (SMVU),* Cat. No. 9208.0, Canberra.

Bureau of Infrastructure, Transport and Regional Economics BTRE (2006), *Freight measurement and modelling*, Report 112, Bureau of Transport and Regional Economics: Canberra.

Bureau of Infrastructure, Transport and Regional Economics (BITRE) 2010, *Road freight estimates and forecasts in Australia: interstate, capital cities and rest of state,* Report 121, Canberra.

Bureau of Infrastructure, Transport and Regional Economics (BITRE) 2014, *Freightline 1 – Australian freight transport overview,* BITRE, Canberra.

Gargett D and A. Hossain (2008), *Road freight estimates by state and territory*, 31st Australasian Transport Research Forum, 2-3 October 2008, Gold Coast.

Gargett D, Hossain A and Cosgrove D (2006), *Interstate freight on states' roads*. 29th Australasian Transport Research Forum, 27-29 September: Gold Coast.

Soames, L., Hossain, A. and Gargett, D. (2007), *Interstate freight in Australia, 1972–2005.* 30th Australasian Transport Research Forum, 25-27 September: Melbourne.

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