

Australian road and
bridge works **2017**

EXTRACT



macromonitor

TABLE OF CONTENTS

1. Total Australia	1
1.1 Total	3
1.2 Construction	9
1.3 Maintenance	16
2. New South Wales	25
2.1 Total	27
2.2 Construction	31
Roads	31
Bridges	35
2.3 Maintenance	37
3. Victoria	45
3.1 Total	47
3.2 Construction	51
Roads	51
Bridges	56
3.3 Maintenance	57
4. Queensland	63
4.1 Summary	65
4.2 Construction	69
Roads	69
Bridges	74
4.3 Maintenance	75
5. South Australia	81
5.1 Total	83
5.2 Construction	87
Roads	87
Bridges	91
5.3 Maintenance	92
6. Western Australia	99
6.1 Total	101
6.2 Construction	105
Roads	105
Bridges	108
6.3 Maintenance	110

7. Tasmania	117
7.1 Total.....	119
7.2 Maintenance.....	123
8. Northern Territory	129
8.1 Total.....	131
8.2 Maintenance.....	135
9. Australian Capital Territory	141
9.1 Total.....	143
9.2 Maintenance.....	147

LIST OF TABLES

Total Australia

1.1. Value of Total Road and Bridge Works – Work Done – Australia	6
1.2. Value of Total Road and Bridge Works – Work Done – State & Territories	7
1.3. Value of Road Construction Work Done – Australia	8
1.4. Value of Road Construction Work Done – State and Territories	10
1.5. Value of Bridge Construction Work Done – State and Territories	14
1.6. Value of Road and Bridge Maintenance – Australia	17
1.7. Road Maintenance and Rehabilitation Expenditure Categories	18
1.8. Value of Road and Bridge Maintenance – Australia – Highways & Arterial Roads	21
1.9. Value of Road and Bridge Maintenance – Australia – All Roads	22
1.10. Value of Road and Bridge Maintenance – State & Territories	23

New South Wales

2.1. Value of Total Road and Bridge Works – Work Done – New South Wales	29
2.2. Value of Road Construction Work Done – New South Wales	30
2.3. Value of Bridge Construction Work Done – NSW	36
2.4. Value of Road and Bridge Maintenance – NSW	38
2.5. Value of Road and Bridge Maintenance – NSW – Highways & Arterial Roads	40
2.6. Value of Road and Bridge Maintenance – NSW – Local Roads	41
2.7. Value of Road and Bridge Maintenance – NSW – All Roads	42

Victoria

3.1. Value of Total Road and Bridge Works – Work Done – Victoria	49
3.2. Value of Road Construction Work Done – Victoria	50
3.3. Value of Bridge Construction Work Done – Victoria	55
3.4. Value of Road and Bridge Maintenance – Victoria	58
3.5. Value of Road and Bridge Maintenance – Victoria – Highways & Arterial Roads	60
3.6. Value of Road and Bridge Maintenance – Victoria – All Roads	61

Queensland

4.1. Value of Total Road and Bridge Works – Work Done – Queensland	67
4.2. Value of Road Construction Work Done – Queensland	68
4.3. Value of Bridge Construction Work Done – QLD	73
4.4. Value of Road and Bridge Maintenance – Queensland	76
4.5. Value of Road and Bridge Maintenance – QLD – Highways & Arterial Roads	78
4.6. Value of Road and Bridge Maintenance – QLD – All Roads	79

LIST OF TABLES (CONTINUED)

South Australia

5.1. Value of Total Road and Bridge Works – Work Done – SA	85
5.2. Value of Road Construction Work Done – South Australia	86
5.3. Value of Bridge Construction Work Done – SA	90
5.4. Value of Road and Bridge Maintenance – South Australia	93
5.5. Value of Road and Bridge Maintenance – SA – Highways & Arterial Roads	95
5.6. Value of Road and Bridge Maintenance – SA – All Roads	96

Western Australia

6.1. Value of Total Road and Bridge Works – Work Done – WA	103
6.2. Value of Road Construction Work Done – Western Australia	104
6.3. Value of Bridge Construction Work Done – WA	109
6.4. Value of Road and Bridge Maintenance – Western Australia	111
6.5. Value of Road and Bridge Maintenance – WA – Highways & Arterial Roads	113
6.6. Value of Road and Bridge Maintenance – WA – All Roads	114

Tasmania

7.1. Value of Total Road and Bridge Works – Work Done – Tasmania	121
7.2. Value of Road Construction Work Done – Tasmania	122
7.3. Value of Road and Bridge Maintenance – Tasmania	124
7.4. Value of Road and Bridge Maintenance – Tasmania – Highways & Arterial Roads	126
7.5. Value of Road and Bridge Maintenance – Tasmania – All Roads	127

Northern Territory

8.1. Value of Total Road and Bridge Works – Work Done – Northern Territory	133
8.2. Value of Road Construction Work Done – Northern Territory	134
8.3. Value of Road and Bridge Maintenance – Northern Territory	136
8.4. Value of Road and Bridge Maintenance – NT – Highways & Arterial Roads	138
8.5. Value of Road and Bridge Maintenance – NT – All Roads	139

Australia Capital Territory

9.1. Value of Total Road and Bridge Works – Work Done – ACT	145
9.2. Value of Road Construction Work Done – Australian Capital Territory	146
9.3. Value of Road and Bridge Maintenance – ACT – Highways & Arterial Roads	148

LIST OF CHARTS

Total Australia

1.1. Total Road & Bridge Works – Australia.....	3
1.2. Total Road & Bridge Works – By State.....	4
1.3. Total Road Works – Australia.....	5
1.4. Total Bridge Works - Australia.....	5
1.5. Road Construction - Australia.....	9
1.6. Major Road Construction Projects - Australia.....	11
1.7. Australia Road Construction - Summary.....	11
1.8. Road Construction – Australia – By Sector Doing the Work.....	12
1.9. Road Construction – Large States.....	13
1.10. Road Construction – Small States.....	13
1.11. Bridge Construction – Australia.....	15
1.12. Total Road & Bridge Maintenance - Australia.....	16
1.13. Road Maintenance – Highways & Arterials - Australia.....	20
1.14. Road Maintenance – All Roads - Australia.....	20

New South Wales

2.1. Total Road & Bridge Works – New South Wales.....	27
2.2. Total Road Works – New South Wales.....	28
2.3. Total Bridge Works – New South Wales.....	28
2.4. Road Construction - NSW.....	31
2.5. NSW Road Construction - Summary.....	33
2.6. Subdivision Construction - NSW.....	33
2.7. NSW Airport Related Construction.....	34
2.8. Bridge Construction - NSW.....	35
2.9. Total Road & Bridge Maintenance - NSW.....	37
2.10. Road Maintenance –New South Wales.....	39
2.11. Road Maintenance & Rehabilitation - NSW.....	43

Victoria

3.1. Total Road & Bridge Works – Victoria.....	47
3.2. Total Road Works – Victoria.....	48
3.3. Total Bridge Works – Victoria.....	48
3.4. Road Construction - Victoria.....	51
3.5. Victoria Road Construction - Summary.....	52
3.6. Subdivision Construction - Victoria.....	53
3.7. Victoria Runway/Taxiway Construction.....	54
3.8. Bridge Construction – Victoria.....	56
3.9. Total Road & Bridge Maintenance - Victoria.....	57
3.10. Road Maintenance –Victoria.....	59
3.11. Road Maintenance & Rehabilitation - VIC.....	62

LIST OF CHARTS (CONTINUED)

Queensland

4.1. Total Road & Bridge Works - Queensland	65
4.2. Total Road Works - Queensland	66
4.3. Total Bridge Works - Queensland	66
4.4. Road Construction – Queensland	69
4.5. Queensland Road Construction - Summary	70
4.6. Road Construction – Queensland – By Sector Doing the Work	71
4.7. Queensland Runway/Taxiway Construction	72
4.8. Subdivision Construction – Queensland	72
4.9. Bridge Construction - Queensland	74
4.10. Total Road and Bridge Maintenance - Queensland	75
4.11. Road Maintenance – Queensland	77
4.12. Road Maintenance & Rehabilitation - Queensland	80

South Australia

5.1. Total Road & Bridge Works - SA	83
5.2. Total Road Works - SA	84
5.3. Total Bridge Works - SA	84
5.4. Road Construction – South Australia	87
5.5. South Australia Road Construction - Summary	88
5.6. Subdivision Construction – South Australia	89
5.7. Bridge Construction – South Australia	91
5.8. Total Road and Bridge Maintenance - SA	92
5.9. Road Maintenance –South Australia	94
5.10. Road Maintenance & Rehabilitation - SA	97

Western Australia

6.1. Total Road & Bridge Works - WA	101
6.2. Total Road Works - WA	102
6.3. Total Bridge Works - WA	102
6.4. Road Construction - WA	105
6.5. Western Australia Road Construction - Summary	106
6.6. Subdivision Construction – WA	106
6.7. WA Airport Related Construction	107
6.8. Bridge Construction - WA	108
6.9. Total Road & Bridge Maintenance - WA	110
6.10. Road Maintenance –Western Australia	112
6.11. Road Maintenance & Rehabilitation - WA	115

LIST OF CHARTS (CONTINUED)

Tasmania

7.1. Total Road & Bridge Works – Tasmania.....	119
7.2. Total Road Works – Tasmania.....	120
7.3. Total Bridge Works – Tasmania.....	120
7.4. Total Road & Bridge Maintenance – Tasmania.....	123
7.5. Road Maintenance – Tasmania.....	125
7.6. Road Maintenance & Rehabilitation - Tasmania.....	128

Northern Territory

8.1. Total Road & Bridge Works– Northern Territory.....	131
8.2. Total Road Works – Northern Territory.....	132
8.3. Total Bridge Works – Northern Territory.....	132
8.4. Total Road & Bridge Maintenance – Northern Territory.....	135
8.5. Road Maintenance –Northern Territory.....	137
8.6. Road Maintenance & Rehabilitation – Northern Territory.....	140

Australian Capital Territory

9.1. Total Road & Bridge Works – ACT.....	143
9.2. Total Road Works – ACT.....	144
9.3. Total Bridge Works – ACT.....	144
9.4. Total Road & Bridge Maintenance – ACT.....	147
9.5. Road Maintenance –ACT.....	149

The categories of road maintenance activity used by Macromonitor are derived from the *Expenditure Reporting Categories* used by the National Transport Commission (NTC) in their regular collection and compilation of road expenditure data from all road jurisdictions. The five categories are shown in Table 1.7.

Table 1.7
Road Maintenance and Rehabilitation Expenditure Categories

Category	Summary	Details
Routine Pavement Maintenance	All routine costs incurred in maintaining the roadway and shoulders, excluding periodic costs incurred on sealed roads at a frequency of more than one year.	- pot hole repairs / minor patching less than 500 sq. m. - crack sealing - edge repairs - shoulder grading - resheeting of unsealed roads and shoulders - associated administrative and supervisory costs.
Periodic Pavement Maintenance	Periodic costs associated with maintaining sealed roadways and shoulders incurred at a frequency of more than one year.	- maintenance reseals / enrichments - thin asphalt overlays (less than 25mm) - asphalt retreatment and regulation - administrative and supervisory costs
Road Rehabilitation	Costs associated with reinstating failed pavements to existing standards to improve ride quality and/or correct pavement shape, including the provision of a wearing course. These costs will normally improve the riding quality of pavements without improving the design standard.	- major patching in excess of 500 sq. m. - resheeting of sealed roads - reconstruction of failed pavements - asphalt overlays over 25mm - administrative and supervisory costs.
Bridge Maintenance and Rehabilitation	All costs associated with the maintenance and rehabilitation of bridges and culverts.	- bridge maintenance, including painting - bridge repairs, including replacement of bridge railings and decking - administrative and supervisory costs.
Non-Pavement Maintenance	All expenditures associated with servicing, operating and monitoring the road system, excluding expenditures on pavements, shoulders and bridges.	- maintenance, repairs and operating charges for street lighting - maintenance, repairs and operating charges for traffic signals - cleaning, maintenance and repairs of drains - servicing of roadside rest areas - roadside and median maintenance, including grass mowing and litter collection - pavement sweeping and snow clearing - maintenance and cleaning of roadside furniture, including signs - repainting pavement markings - traffic monitoring and recording - pavement condition monitoring and recording - administrative and supervisory costs.

7. Tasmania

7.1 TOTAL

Total road and bridge expenditure in Tasmania has gained steadily since the early 2000s. Despite the sharp decline in 2015/16, levels of activity remain high. Compared to the \$317 million annual spend recorded for 2003/04, spending in the year to June 2016 was \$390 million; an accumulated increase of 23%.

Looking closer at activity within this period, we see a sharp increase in expenditure during 2010/11 (+25%), associated with projects such as the Brighton Bypass, the East Tamar Highway, and the Kingston Bypass. Spending then fell by the following two years as these projects were brought to completion.

In 2013/14 and 2014/15, spending grew up to 10% each year due largely to the work on the North East Freight Roads, Arthur Highway and Murchison Highway. In 2015/16 activity declined sharply as these projects came to completion.

In 2016/17 and 2017/18 we are expecting activity to rise, but then we expect spending on Tasmania's road infrastructure sector to remain relatively stable over the following eight years, averaging \$457 million per year (in constant 2014/15 prices).

Supporting this new level of work will be extensive upgrades to the Midland Highway, to which the Commonwealth Government allocated \$400 million over ten years as part of the 2014 budget.

The key projects expected to commence in the next five years are:

- Brooker Highway – Elwick, Goodwood, Howards Road (\$32 million),
- Further works on the Midland Highway, and
- The Hobart Runway extension (\$40 million).

Chart 7.1

Total Road & Bridge Works - Tasmania

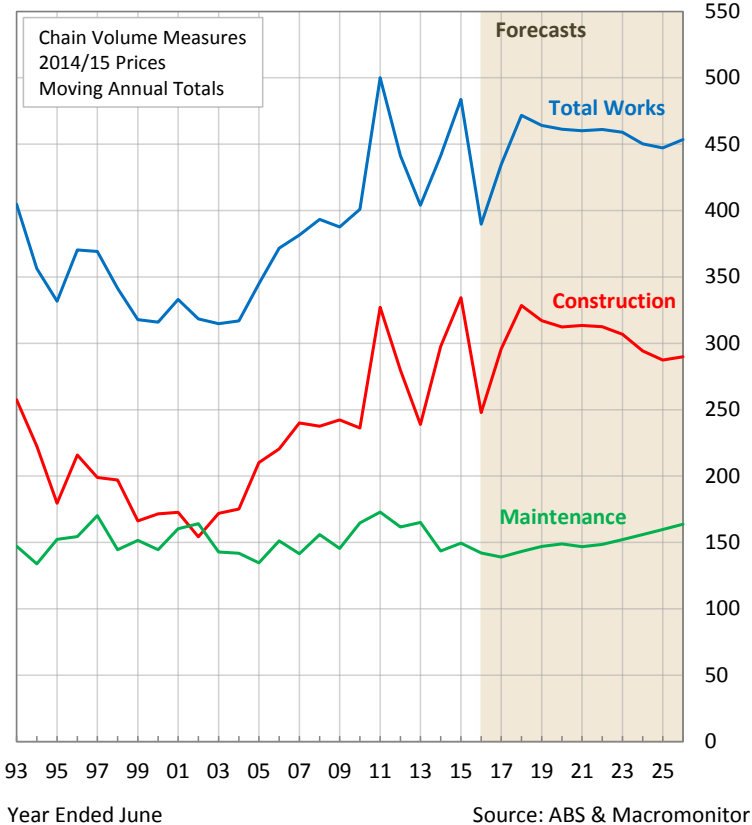


Table 7.2
Value of Road Construction Work Done - Tasmania

Chain Volume Measures - 2014/15 Prices

Year Ended June	Work Funded by the Public Sector				Work Funded by the Private Sector								Total Road Construction							
	Highways & Arterials		Local Roads		Runways & Access Roads		Total		Motorways		Runways				Access Roads		Subdivisions		Total	
	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch			\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch
2002	64	-39.3	59	11.3	0	-22.4	123	-22.3	-	-	0	-	0	13.0	7	-5.2	7	-4.6	130	-21.5
2003	64	0.9	59	-	0	0.5	124	0.5	-	-	0	-	0	-27.5	22	200.4	22	192.2	145	11.4
2004	42	-34.3	65	10.2	0	-13.1	107	-13.0	-	-	0	-	10	-	41	90.6	51	134.8	159	9.2
2005	96	128.3	56	-13.8	0	41.9	153	42.1	-	-	3	-	2	-83.8	37	-10.0	41	-19.2	194	22.3
2006	58	-39.6	103	84.4	0	-15.2	162	5.9	-	-	3	-5.0	2	37.9	38	2.3	43	3.2	204	5.3
2007	70	20.5	101	-1.8	1	25.0	172	6.3	-	-	2	-10.1	4	85.0	43	13.2	49	15.5	221	8.2
2008	80	14.7	87	-14.5	1	-	168	-2.5	-	-	1	-52.9	5	19.1	33	-22.4	39	-20.3	207	-6.5
2009	120	49.5	67	-22.8	1	-	188	11.9	-	-	-	-	4	-13.0	31	-6.0	36	-9.4	223	7.9
2010	118	-1.8	63	-6.1	1	-	181	-3.3	-	-	-	-	1	-76.6	27	-14.3	28	-21.7	209	-6.3
2011	184	56.0	63	0.1	1	-	247	36.4	-	-	-	-	5	375.2	38	39.9	42	52.0	290	38.5
2012	111	-39.5	60	-4.0	1	-	172	-30.4	-	-	-	-	20	320.8	42	12.0	62	46.7	234	-19.1
2013	72	-35.6	65	6.7	1	-	137	-20.6	-	-	-	-	10	-50.0	32	-23.3	42	-31.9	179	-23.6
2014	120	67.5	62	-3.5	1	-	183	33.8	-	-	-	-	8	-21.9	29	-9.9	37	-12.7	220	22.8
2015	138	14.9	63	1.5	1	-	202	10.3	-	-	-	-	35	348.0	53	81.5	88	138.0	289	31.7
2016	106	-23.2	61	-4.1	1	-	167	-17.2	-	-	-	-	6	-83.1	50	-5.4	56	-36.4	223	-23.0
Forecasts																				
2017	136	28.1	62	3.1	20	3,972.7	219	30.9	-	-	-	-	10	64.4	37	-26.6	46	-17.0	265	18.9
2018	163	20.4	64	2.0	20	-	247	13.3	-	-	-	-	15	52.3	37	0.5	52	11.3	299	12.9
2019	174	6.6	63	-1.0	1	-97.5	238	-3.9	-	-	-	-	8	-44.9	39	6.0	47	-8.6	285	-4.7
2020	173	-0.7	64	1.5	1	-	238	-0.1	-	-	-	-	5	-42.4	41	4.6	46	-3.5	283	-0.7
2021	174	0.5	65	1.5	1	-	239	0.8	-	-	-	-	5	-2.0	42	3.4	47	2.8	286	1.1
2022	174	-	66	1.5	1	-	240	0.4	-	-	-	-	5	-1.6	40	-5.4	44	-5.0	285	-0.5
2023	169	-2.9	67	1.5	1	-	236	-1.7	-	-	-	-	4	-2.0	37	-6.9	42	-6.4	278	-2.4
2024	154	-8.8	68	1.5	1	-	223	-5.9	-	-	-	-	4	-2.1	38	2.9	43	2.3	265	-4.6
2025	144	-6.4	69	1.5	1	-	214	-4.0	-	-	-	-	4	-3.2	40	4.5	44	3.8	258	-2.8
2026	144	-	70	1.5	1	-	215	0.5	-	-	-	-	4	0.4	41	3.3	46	3.1	260	0.9
Average Annual Growth Rates																				
2006-2011	25.9	-	-9.4	-	-	-	8.9	-	-	-	-	-	16.3	-	-0.2	-	-0.2	-	7.2	
2011-2016	-10.5	-	-0.8	-	0.0	-	-7.6	-	-	-	-	-	4.5	-	5.9	-	5.7	-	-5.1	
Forecasts																				
2016-2021	10.4	-	1.4	-	-	-	7.5	-	-	-	-	-	-4.9	-	-3.3	-	-3.5	-	5.1	
2021-2026	-3.7	-	1.5	-	-	-	-2.2	-	-	-	-	-	-1.7	-	-0.4	-	-0.6	-	-1.9	

Source: ABS and Macromonitor

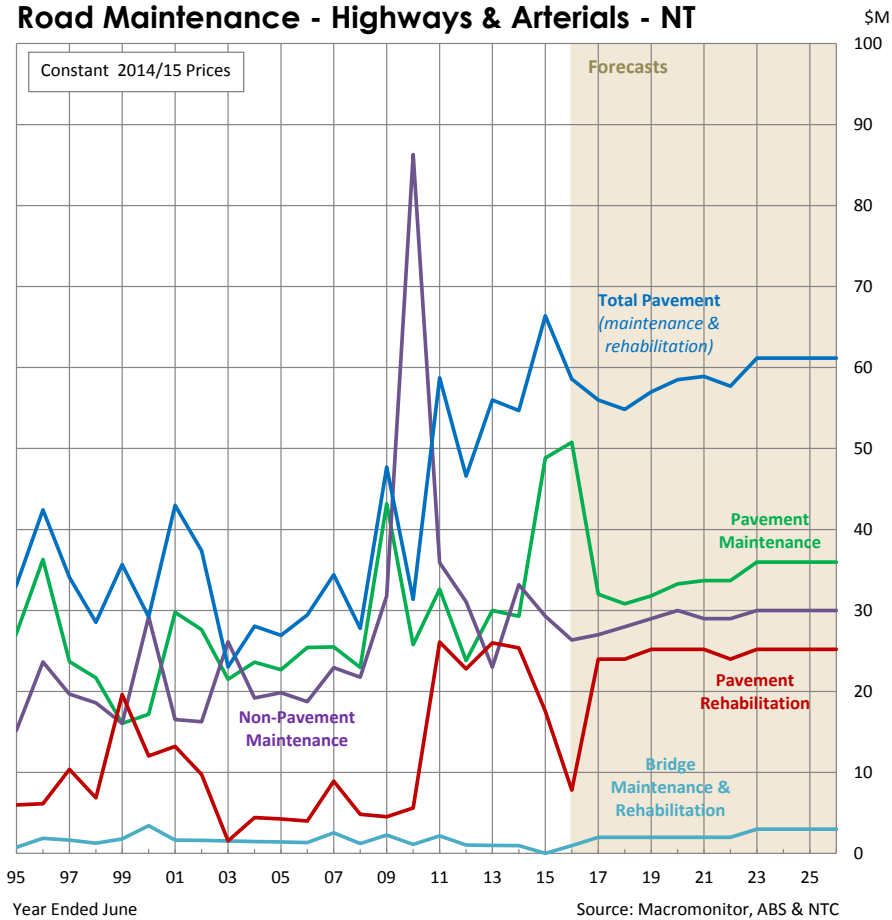
Table 8.1**Value of Total Road and Bridge Works - Work Done - Northern Territory**

Chain Volume Measures - 2014/15 Prices

Year Ended June	Construction				Maintenance				Total Road & Bridge Works			
	Roads		Bridges		Roads		Bridges		Roads		Bridges	
	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch
1997	132	27.3	3	-30.1	135	24.9	78	-20.5	3	-18.5	210	4.0
1998	146	11.1	4	30.4	151	11.6	77	-2.4	3	-2.2	223	6.0
1999	169	15.4	2	-42.9	171	13.8	77	0.3	3	7.5	246	10.2
2000	158	-6.7	6	131.0	163	-4.8	105	37.0	6	89.8	263	7.0
2001	58	-63.1	1	-83.4	59	-63.8	95	-9.5	4	-38.7	153	-41.7
2002	103	76.9	43	4,616.0	146	147.2	89	-6.8	4	-1.7	192	24.9
2003	99	-4.2	54	24.3	152	4.3	92	3.3	4	10.1	190	-0.7
2004	107	8.1	27	-49.9	133	-12.3	89	-3.1	4	-2.8	195	2.7
2005	141	32.4	5	-83.2	146	9.2	97	9.6	5	12.6	239	22.1
2006	126	-10.9	19	329.0	145	-0.4	93	-4.7	4	-10.0	219	-8.4
2007	143	13.6	17	-14.2	160	9.9	103	10.8	5	30.0	246	12.4
2008	156	9.3	27	61.8	183	14.8	115	11.7	5	-1.1	271	10.3
2009	138	-11.8	36	31.9	173	-5.4	133	15.7	6	5.4	271	-0.1
2010	170	23.5	21	-41.0	191	10.2	184	38.5	5	-5.5	354	30.8
2011	186	9.2	7	-68.0	193	0.8	159	-13.6	6	17.2	345	-2.6
2012	235	26.3	8	24.9	243	26.3	140	-11.7	5	-19.6	375	8.8
2013	160	-31.7	9	8.6	170	-30.3	123	-12.3	4	-24.3	284	-24.4
2014	204	27.3	12	31.8	216	27.6	132	7.1	4	-0.8	336	18.5
2015	262	28.5	4	-67.0	266	23.2	124	-6.2	2	-52.7	386	14.9
2016	272	3.8	8	100.0	280	5.2	113	-8.9	3	52.9	385	-0.3
Forecasts												
2017	320	17.3	43	436.6	362	29.2	111	-1.0	4	39.0	431	12.0
2018	284	-11.0	12	-71.0	297	-18.1	112	0.6	4	1.4	397	-8.0
2019	278	-2.1	10	-15.7	289	-2.6	116	3.6	4	1.5	395	-0.5
2020	253	-9.0	10	0.5	264	-8.7	120	2.9	4	1.5	373	-5.5
2021	208	-17.8	11	0.5	219	-17.1	120	0.3	4	1.5	328	-12.0
2022	205	-1.5	11	0.6	216	-1.4	119	-1.0	4	-	324	-1.3
2023	205	-0.0	11	0.6	216	0.0	124	4.6	5	26.1	329	1.7
2024	205	0.1	11	0.7	216	0.2	125	0.8	5	1.2	331	0.4
2025	207	0.8	11	0.7	218	0.8	126	0.8	5	1.3	333	0.8
2026	209	0.7	11	0.8	219	0.7	127	0.8	5	1.3	336	0.8
Average Annual Growth Rates												
2006-2011	8.1		-19.1		5.8		11.4		8.5		11.2	
2011-2016	8.0		3.4		7.8		-6.7		-15.3		-6.9	
Forecasts												
2016-2021	-5.2		5.8		-4.8		1.3		8.1		1.5	
2021-2026	0.0		0.7		0.1		1.2		5.5		1.3	
2006-2011												
2011-2016												
Forecasts												
2016-2021												
2021-2026												

Source: ABS and Macromonitor

Chart 8.5
Road Maintenance - Highways & Arterials - NT



Road Maintenance - All Roads - NT

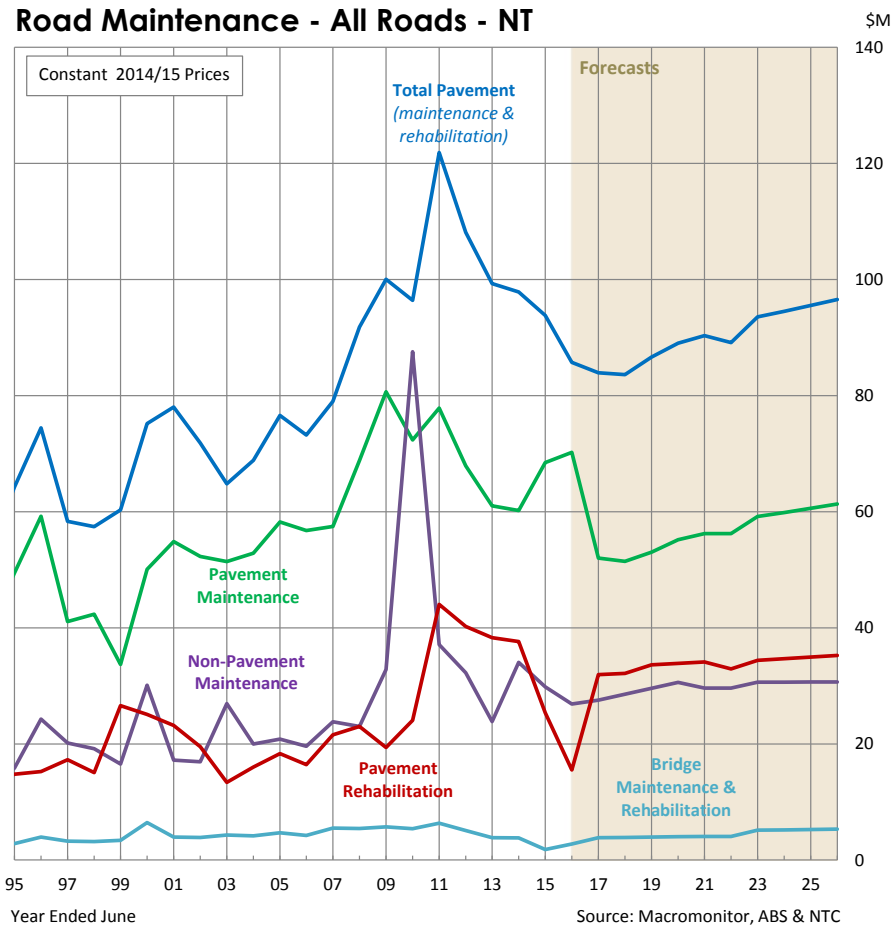


Table 8.5
Value of Road & Bridge Maintenance - Northern Territory - All Roads
 Chain Volume Measures - 2014/15 Prices

Year Ended June	Pavement Maintenance & Rehabilitation						Non-Pavement Maintenance	Bridge Maintenance and Rehabilitation	Total Road Maintenance					
	Routine Maintenance		Periodic Surface Maintenance		Rehabilitation					Total Pavement				
	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch				\$M	Ann. %Ch			
1997	26	-30.9	15	-30.2	17	13.4	58	-21.6	20	-16.9	3	-18.5	82	-20.4
1998	28	5.6	15	-1.2	15	-12.8	57	-1.6	19	-4.9	3	-2.2	80	-2.4
1999	18	-36.2	16	9.3	27	76.7	60	5.0	17	-13.8	3	7.5	80	0.6
2000	30	69.5	20	25.7	25	-5.8	75	24.7	30	82.3	6	89.8	112	39.3
2001	36	21.8	18	-8.8	23	-7.6	78	3.8	17	-42.8	4	-38.7	99	-11.2
2002	33	-10.6	20	7.1	20	-15.7	72	-7.9	17	-1.7	4	-1.7	93	-6.6
2003	30	-7.6	21	8.0	13	-31.5	65	-9.8	27	59.1	4	10.1	96	3.6
2004	35	16.7	18	-16.8	16	19.6	69	6.3	20	-25.8	4	-2.8	93	-3.1
2005	35	0.6	23	29.1	18	14.6	77	11.2	21	4.1	5	12.6	102	9.7
2006	33	-5.6	23	2.2	16	-10.4	73	-4.4	20	-5.9	4	-10.0	97	-5.0
2007	38	14.2	19	-17.5	22	31.3	79	7.9	24	21.5	5	30.0	108	11.6
2008	44	15.9	25	27.4	23	6.6	92	16.2	23	-3.4	5	-1.1	120	11.0
2009	56	27.5	24	-1.4	19	-15.7	100	9.0	33	42.7	6	5.4	139	15.2
2010	46	-19.0	27	10.1	24	24.1	96	-3.6	88	166.7	5	-5.5	189	36.7
2011	44	-2.9	34	25.6	44	83.0	122	26.4	37	-57.6	6	17.2	165	-12.7
2012	41	-8.1	27	-19.0	40	-8.6	108	-11.3	32	-13.1	5	-19.6	145	-12.0
2013	38	-5.6	23	-17.0	38	-4.9	99	-8.2	24	-26.1	4	-24.3	127	-12.7
2013	37	-3.9	23	3.1	38	-1.7	98	-1.5	34	42.8	4	-0.8	136	6.9
2015	48	29.4	21	-11.2	25	-32.6	94	-4.1	30	-12.4	2	-52.7	125	-7.6
2016	46	-4.4	24	18.5	16	-38.8	86	-8.6	27	-9.8	3	52.9	115	-8.0
Forecasts														
2017	33	-28.0	19	-21.9	32	105.9	84	-2.1	28	2.4	4	39.0	115	-0.0
2018	32	-2.5	19	1.3	32	0.7	84	-0.4	29	3.7	4	1.4	116	0.6
2019	32	0.7	21	7.0	34	4.5	87	3.6	30	3.6	4	1.5	120	3.5
2020	33	2.4	22	6.6	34	0.8	89	2.8	31	3.4	4	1.5	124	2.9
2021	34	2.4	22	1.2	34	0.8	90	1.5	30	-3.2	4	1.5	124	0.3
2022	34	-	22	-	33	-3.5	89	-1.3	30	-	4	-	123	-1.0
2023	35	4.6	24	6.2	34	4.5	94	4.9	31	3.4	5	26.1	129	5.3
2024	36	1.2	24	1.2	35	0.8	95	1.0	31	0.1	5	1.2	130	0.8
2025	36	1.2	24	1.2	35	0.8	96	1.1	31	0.1	5	1.3	131	0.8
2026	37	1.2	25	1.2	35	0.8	97	1.1	31	0.1	5	1.3	133	0.9
Average Annual Growth Rates														
2006-2011	5.8	7.5	21.8	10.7	13.6	8.5	11.2							
2011-2016	0.6	-6.1	-18.8	-6.8	-6.2	-15.3	-6.9							
Forecasts														
2016-2021	-5.8	-1.8	17.1	1.1	1.9	8.1	1.5							
2021-2026	1.6	1.9	0.6	1.3	0.7	5.5	1.3							

Source: ABS and Macromonitor

Table 9.3
Value of Road & Bridge Maintenance - ACT - Highways & Arterial Roads
 Chain Volume Measures - 2014/15 Prices

Year Ended June	Pavement Maintenance & Rehabilitation										Non-Pavement Maintenance	Bridge Maintenance and Rehabilitation		Total Road Maintenance	
	Routine Maintenance		Periodic Surface Maintenance		Rehabilitation		Total Pavement		\$M	Ann. %Ch		\$M	Ann. %Ch	\$M	Ann. %Ch
	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch							
1997	2	-47.9	3	-47.9	3	-7.0	8	-35.7	5	-52.0	0	-51.0	13	-43.0	
1998	1	-27.9	4	18.3	3	-11.3	8	-3.2	5	-0.9	0	-0.9	13	-2.3	
1999	2	64.5	2	-50.6	2	-41.9	5	-31.1	4	-24.1	-	-100.0	9	-29.5	
2000	2	-3.6	3	92.9	9	382.2	14	157.1	3	-3.6	-	-	17	92.9	
2001	2	-3.8	7	92.3	10	15.4	18	32.2	15	332.8	3	-	36	111.6	
2002	3	96.6	5	-26.3	5	-50.8	13	-28.5	20	31.1	2	-50.8	34	-6.2	
2003	5	41.8	5	-5.5	11	120.5	20	53.6	41	112.6	3	89.0	65	89.0	
2004	1	-68.0	4	-3.9	4	-58.8	10	-48.2	22	-46.6	3	-3.9	35	-45.1	
2005	1	-4.0	4	-4.0	4	-4.0	10	-4.0	24	8.8	1	-52.0	35	0.0	
2006	3	88.8	4	-5.6	3	-37.1	9	-5.6	17	-27.8	3	88.8	29	-16.9	
2007	1	-52.4	6	58.7	3	-4.8	10	8.8	15	-12.1	1	-52.4	27	-9.1	
2008	2	89.7	4	-43.1	7	184.5	13	30.4	12	-21.0	1	-5.2	27	-0.6	
2009	2	-6.0	3	-6.0	5	-37.3	10	-23.1	15	22.2	1	-6.0	26	-1.7	
2010	2	-1.4	7	97.3	9	97.3	18	75.4	18	21.4	1	-1.4	37	41.5	
2011	2	-2.9	3	-51.5	7	-27.2	12	-33.3	18	3.1	1	-2.9	32	-14.7	
2012	2	-4.8	3	-4.8	6	-4.8	11	-4.8	26	40.0	1	-4.8	38	21.5	
2013	2	-3.4	4	28.8	7	12.7	13	14.1	32	23.6	1	-3.4	46	20.1	
2014	3	46.5	3	-26.8	4	-44.2	10	-24.9	29	-8.5	1	-2.4	40	-13.0	
2015	3	-	5	66.7	4	-	12	20.0	25	-13.3	1	-	38	-4.9	
2016	2	-33.3	7	40.0	4	-	13	8.3	30	19.2	-	-100.0	43	12.8	
Forecasts															
2017	2	2.4	4	-48.8	5	21.9	10	-19.2	26	-14.1	1	-	37	-14.4	
2018	2	5.0	4	7.1	5	5.0	11	5.7	22	-15.4	1	100.0	34	-7.9	
2019	2	4.8	4	6.7	5	2.0	11	4.1	23	4.5	1	-	35	4.3	
2020	2	4.5	4	-	5	2.0	12	1.8	24	4.3	1	-	37	3.4	
2021	2	-	4	-	5	-3.9	11	-1.8	24	-	1	-	36	-0.6	
2022	2	-	4	-	5	-	11	-	24	-	1	-	36	-	
2023	2	-	4	-	5	-	11	-	24	-	1	-	36	-	
2024	2	-	4	-	5	-	11	-	24	-	1	-	36	-	
2025	2	-	4	-	5	-	11	-	24	-	1	-	36	-	
2026	2	-	4	-	5	-	11	-	24	-	1	-	36	-	
Average Annual Growth Rates															
2006-2011	-4.1		-4.1		19.5		5.0		1.2		-16.5		1.4		
2011-2016	-2.1		15.9		-9.8		1.2		10.4		-100.0		6.4		
Forecasts															
2016-2021	3.3		-10.2		5.1		-2.3		-4.5		0.0		-3.3		
2021-2026	0.0		0.0		0.0		0.0		0.0		0.0		0.0		

Source: ABS and Macromonitor