Australian Bureau of Statistics

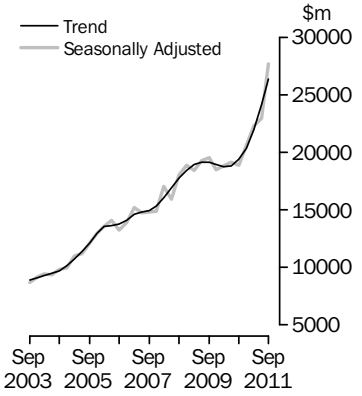
SEPTEMBER QUARTER 2011 8762.0

ENGINEERING CONSTRUCTION ACTIVITY

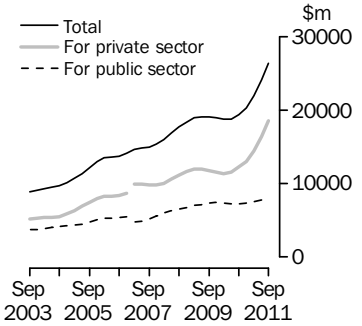
AUSTRALIA

EMBARGO: 11.30AM (CANBERRA TIME) THURS 19 JAN 2012

Value of work done
Chain volume measures



Value of work done
Chain volume measures
Trend estimates



Break in series between Dec 06 and Mar 07.

INQUIRIES

For further information about these and related statistics, contact the National Information and Referral Service on 1300 135 070.

KEY FIGURES

	Sep qtr 11 $m	Jun qtr 11 to Sep qtr 11 % change	Sep qtr 10 to Sep qtr 11 % change
TREND ESTIMATES (a)			
Value of work done			
For the private sector	18 545.2	13.1	51.4
For the public sector(b)	7 799.8	0.4	8.6
Total engineering construction	26 354.6	9.1	35.6
SEASONALLY ADJUSTED ESTIMATES (a)			
Value of work done			
For the private sector	20 117.7	34.3	71.3
For the public sector(b)	7 578.7	–5.1	6.4
Total engineering construction	27 696.5	20.6	46.8

(a) Chain volume measures, reference year 2009–10.
(b) Includes work done by the private sector for the public sector and work done by the public sector.

KEY POINTS

VALUE OF WORK DONE, CHAIN VOLUME MEASURES

TOTAL

- The trend estimate for the value of total engineering construction work done rose 9.1% in the September 2011 quarter.
- The seasonally adjusted estimate for the value of total engineering construction work done rose 20.6% in the September quarter to $27,696.5m.

PRIVATE SECTOR

- The trend estimate for the value of work done for the private sector rose 13.1% in the September quarter.
- The seasonally adjusted estimate for the value of work done for the private sector rose 34.3% in the September quarter to $20,117.7m.

PUBLIC SECTOR

- The trend estimate for the value of work done for the public sector rose 0.4% in the September quarter.
- The seasonally adjusted estimate for the value of work done for the public sector fell 5.1% in the September quarter to $7,578.7m.

VALUE OF WORK COMMENCED, CURRENT PRICES

- The value of work commenced in the September quarter was $36,453.3m, an increase of 72.3% from the June quarter.

NOTES

FORTHCOMING ISSUES

ISSUE (Quarter)	*RELEASE DATE*
December 2011	5 April 2012
March 2012	4 July 2012

ABOUT THIS ISSUE

This publication updates the preliminary estimates released in Construction Work Done, Australia (cat. no. 8755.0) on 23 November 2011.

CHANGES IN THIS ISSUE

A new base year, 2009-10, has been introduced into the chain volume estimates which has resulted in revisions to growth rates in subsequent periods. In addition, the chain volume estimates have been re-referenced to 2009-10, thereby preserving additivity in the quarters after the reference year. Re-referencing affects the levels of, but not the movements in, chain volume estimates.

SIGNIFICANT REVISIONS THIS QUARTER

Compared with the current price estimates in original terms published in the previous issue of this publication:

- The June quarter work done estimates have been revised downward by $56.6m. These revisions occurred predominantly in the Oil, gas, coal and other minerals and Roads, highways and subdivisions commodities.

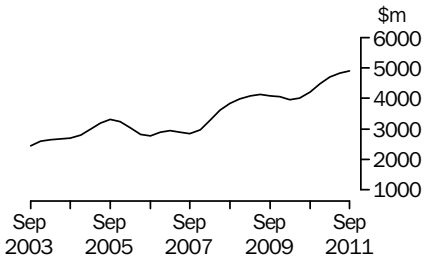
DATA NOTE

Trend estimates should be used with caution due to the volatility caused by large engineering projects. For more details on trend estimates, please see paragraphs 22 to 24 of the explanatory notes.

Brian Pink
Australian Statistician

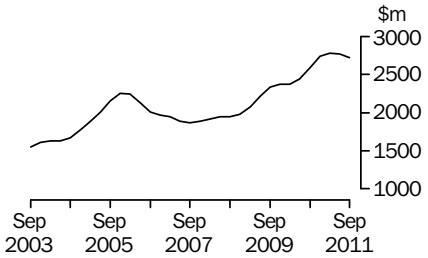
CHAIN VOLUME MEASURES—TREND ESTIMATES

NEW SOUTH WALES



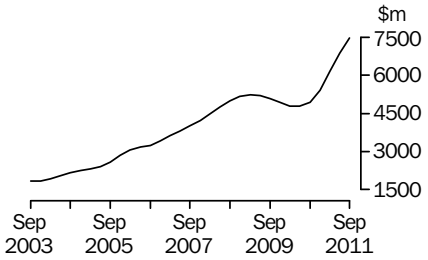
The trend estimate for the value of work done in New South Wales rose 1.6% in the September quarter and has risen for six quarters.

VICTORIA



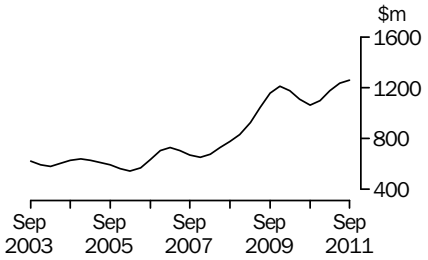
The trend estimate of the value of work done in Victoria fell 1.6% in the September quarter and is now showing falls for two quarters.

QUEENSLAND



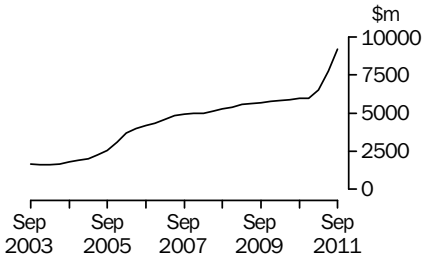
The trend estimate for the value of work done in Queensland rose 8.5% in the September quarter and has risen for five quarters.

SOUTH AUSTRALIA



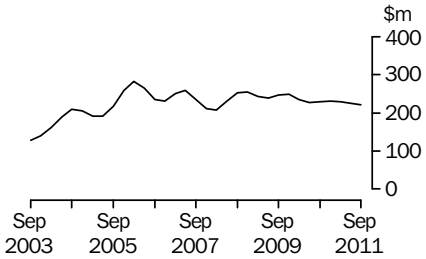
The trend estimate for the value of work done in South Australia rose 1.9% in the September quarter and has risen for four quarters.

WESTERN AUSTRALIA



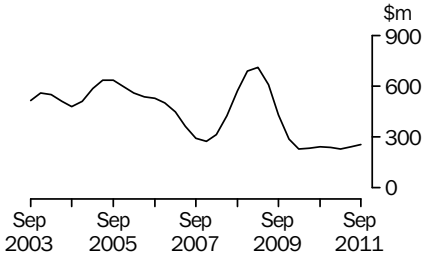
The trend estimate for the value of work done in Western Australia rose 18.7% in the September quarter and is now showing rises for 3 quarters.

TASMANIA



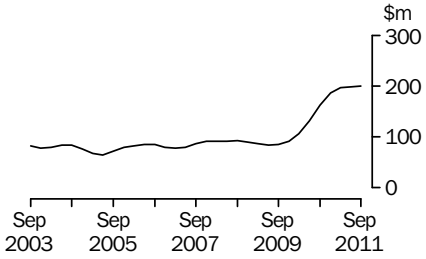
The trend estimate for the value of work done in Tasmania fell 2.1% in the September quarter and is now showing falls for three quarters.

NORTHERN TERRITORY



The trend estimate for the value of work done in the Northern Territory rose 6.4% in the September quarter and is now showing rises for two quarters.

AUSTRALIAN CAPITAL TERRITORY



The trend estimate for the value of work done in the Australian Capital Territory rose 0.3% in the September quarter and has risen for nine quarters.

LIST OF TABLES

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TABLES

1 VALUE OF WORK DONE: **Chain volume measures**(a)

BY THE PRIVATE SECTOR

Period	*For the private sector* $m	*For the public sector* $m	*Total* $m	*By the public sector* $m	*Total for the public sector*(b) $m	***Total*** $m
			ORIGINAL			
2008–09	47 149.1	14 277.1	61 436.5	13 133.5	27 403.5	**74 574.7**
2009–10	46 324.4	14 748.9	61 073.3	14 919.6	29 668.5	**75 992.9**
2010–11	54 723.9	15 233.9	69 957.8	14 753.3	29 987.1	**84 711.0**
2010						
June	12 473.2	3 779.0	16 254.2	4 251.6	8 031.9	**20 504.9**
September	11 648.7	3 594.6	15 243.2	3 139.0	6 733.5	**18 382.2**
December	14 209.4	3 699.0	17 908.4	3 603.7	7 302.7	**21 512.1**
2011						
March	13 205.6	3 617.5	16 823.1	3 526.6	7 144.1	**20 349.7**
June	15 660.3	4 322.7	19 983.0	4 484.1	8 806.8	**24 467.1**
September	20 005.8	3 823.5	23 829.3	3 308.2	7 131.7	**27 137.6**
			SEASONALLY ADJUSTED			
2010						
June	11 904.6	3 594.0	15 500.4	3 653.5	7 247.5	**19 153.4**
September	11 741.6	3 600.2	15 341.8	3 525.1	7 125.3	**18 866.9**
December	13 348.4	3 639.9	16 988.4	3 583.8	7 223.7	**20 572.2**
2011						
March	14 658.4	3 875.3	18 533.7	3 777.7	7 653.0	**22 311.4**
June	14 975.5	4 118.5	19 094.0	3 866.6	7 985.1	**22 960.6**
September	20 117.7	3 830.0	23 947.8	3 748.7	7 578.7	**27 696.5**
			TREND			
2010						
June	11 591.2	3 554.6	15 146.7	3 650.3	7 205.4	**18 796.7**
September	12 246.6	3 586.5	15 833.8	3 597.6	7 184.3	**19 431.2**
December	12 991.3	3 717.3	16 708.7	3 616.8	7 334.0	**20 325.4**
2011						
March	14 402.3	3 865.5	18 267.0	3 734.2	7 599.2	**22 000.3**
June	16 390.1	3 960.1	20 349.8	3 806.1	7 765.8	**24 155.2**
September	18 545.2	3 978.3	22 529.1	3 817.6	7 799.8	**26 354.6**

(a) Reference year for chain volume measures is 2009–10. Refer to paragraphs 25–29 of the Explanatory Notes.

(b) Includes work done by the private sector for the public sector and work done by the public sector.

2 VALUE OF WORK DONE: **Chain volume measures**(a)—Change from previous period

BY THE PRIVATE SECTOR

Period	*For the private sector* %	*For the public sector* %	*Total* %	*By the public sector* %	*Total for the public sector*(b) %	***Total*** %
			ORIGINAL			
2008–09	18.4	26.7	20.2	14.2	20.3	**19.1**
2009–10	–1.7	3.3	–0.6	13.6	8.3	**1.9**
2010–11	18.1	3.3	14.5	–1.1	1.1	**11.5**
2010						
June	21.7	14.6	20.0	16.7	15.7	**19.3**
September	–6.6	–4.9	–6.2	–26.2	–16.2	**–10.4**
December	22.0	2.9	17.5	14.8	8.5	**17.0**
2011						
March	–7.1	–2.2	–6.1	–2.1	–2.2	**–5.4**
June	18.6	19.5	18.8	27.2	23.3	**20.2**
September	27.7	–11.5	19.2	–26.2	–19.0	**10.9**
			SEASONALLY ADJUSTED			
2010						
June	4.8	1.4	4.0	–6.0	–2.5	**1.9**
September	–1.4	0.2	–1.0	–3.5	–1.7	**–1.5**
December	13.7	1.1	10.7	1.7	1.4	**9.0**
2011						
March	9.8	6.5	9.1	5.4	5.9	**8.5**
June	2.2	6.3	3.0	2.4	4.3	**2.9**
September	34.3	–7.0	25.4	–3.0	–5.1	**20.6**
			TREND			
2010						
June	1.9	–1.8	1.0	–2.2	–2.0	**0.4**
September	5.7	0.9	4.5	–1.4	–0.3	**3.4**
December	6.1	3.6	5.5	0.5	2.1	**4.6**
2011						
March	10.9	4.0	9.3	3.2	3.6	**8.2**
June	13.8	2.4	11.4	1.9	2.2	**9.8**
September	13.1	0.5	10.7	0.3	0.4	**9.1**

(a) Reference year for chain volume measures is 2009–10. Refer to paragraphs 25–29 of the Explanatory Notes.

(b) Includes work done by the private sector for the public sector and work done by the public sector.

3 VALUE OF WORK DONE, States and territories: **Chain volume measures**(a)

Period	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	**Aust.**
	$m	$m	$m	$m	$m	$m	$m	$m	$m
ORIGINAL									
2008–09	16 066.5	8 255.9	20 626.3	3 580.8	22 080.2	989.0	2 605.5	356.4	**74 574.7**
2009–10	16 181.8	9 538.6	19 577.7	4 698.9	23 458.3	964.0	1 169.2	404.3	**75 992.9**
2010–11	18 124.5	10 893.3	23 560.9	4 585.8	24 948.0	930.8	916.3	751.4	**84 711.0**
2010									
June	4 392.4	2 656.7	4 908.0	1 288.4	6 572.6	248.5	310.8	127.6	**20 504.9**
September	3 777.9	2 528.4	5 097.9	887.7	5 493.7	202.0	233.2	161.6	**18 382.2**
December	4 797.1	2 768.8	5 470.3	1 133.7	6 691.5	233.0	227.9	^ 189.8	**21 512.1**
2011									
March	4 361.0	2 689.0	5 510.2	1 094.7	6 030.1	229.4	236.8	^ 198.4	**20 349.7**
June	5 188.4	2 907.1	7 482.6	1 469.7	6 732.7	266.4	218.5	201.7	**24 467.1**
September	4 815.3	2 649.3	7 474.3	1 050.3	10 492.1	176.3	286.8	^ 193.1	**27 137.6**
SEASONALLY ADJUSTED									
2010									
June	4 034.0	2 475.4	4 737.0	1 124.6	6 425.9	220.9	304.0	124.5	**19 153.4**
September	3 939.2	2 590.5	4 988.9	1 014.3	5 487.1	240.6	230.9	167.4	**18 866.9**
December	4 800.9	2 705.4	5 339.6	1 105.0	6 215.6	225.4	222.8	^ 188.5	**20 572.2**
2011									
March	4 601.1	2 887.6	6 015.6	1 176.8	6 709.7	225.3	250.8	^ 199.8	**22 311.4**
June	4 783.3	2 709.8	7 216.8	1 289.7	6 535.7	239.5	211.8	195.7	**22 960.6**
September	5 018.6	2 707.3	7 296.5	1 214.9	10 516.9	209.0	280.6	^ 200.8	**27 696.5**
TREND									
2010									
June	4 000.9	2 445.3	4 789.9	1 109.4	5 893.6	227.8	233.0	132.1	**18 796.7**
September	4 213.0	2 594.0	4 946.5	1 065.0	5 991.6	228.3	244.3	162.2	**19 431.2**
December	4 476.2	2 736.3	5 423.7	1 100.1	5 956.7	231.2	237.7	186.3	**20 325.4**
2011									
March	4 698.2	2 780.9	6 153.6	1 178.5	6 533.0	229.9	229.4	196.7	**22 000.3**
June	4 839.1	2 766.8	6 873.8	1 236.8	7 744.1	225.7	242.5	199.3	**24 155.2**
September	4 914.1	2 722.5	7 458.8	1 260.1	9 190.2	220.9	257.9	199.9	**26 354.6**

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

(a) Reference year for chain volume measures is 2009–10. Refer to paragraphs 25–29 of the Explanatory Notes.

4 VALUE OF WORK DONE, States and territories: **Chain volume measures**(a)—Change from previous period

Period	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	**Aust.**
	%	%	%	%	%	%	%	%	%
					ORIGINAL				
2008–09	28.0	9.6	19.0	32.5	10.7	15.3	97.8	–4.8	**19.1**
2009–10	0.7	15.5	–5.1	31.2	6.2	–2.5	–55.1	13.4	**1.9**
2010–11	12.0	14.2	20.3	–2.4	6.4	–3.4	–21.6	85.8	**11.5**
2010									
June	14.6	24.8	10.0	15.2	27.5	4.8	104.5	19.6	**19.3**
September	–14.0	–4.8	3.9	–31.1	–16.4	–18.7	–25.0	26.6	**–10.4**
December	27.0	9.5	7.3	27.7	21.8	15.4	–2.3	17.5	**17.0**
2011									
March	–9.1	–2.9	0.7	–3.4	–9.9	–1.5	3.9	4.5	**–5.4**
June	19.0	8.1	35.8	34.3	11.7	16.1	–7.7	1.7	**20.2**
September	–7.2	–8.9	–0.1	–28.5	55.8	–33.8	31.3	–4.2	**10.9**
					SEASONALLY ADJUSTED				
2010									
June	0.4	8.2	–2.4	–5.3	13.1	–3.1	87.2	15.4	**1.9**
September	–2.4	4.6	5.3	–9.8	–14.6	8.9	–24.0	34.5	**–1.5**
December	21.9	4.4	7.0	8.9	13.3	–6.3	–3.5	12.6	**9.0**
2011									
March	–4.2	6.7	12.7	6.5	8.0	—	12.5	6.0	**8.5**
June	4.0	–6.2	20.0	9.6	–2.6	6.3	–15.6	–2.1	**2.9**
September	4.9	–0.1	1.1	–5.8	60.9	–12.7	32.5	2.6	**20.6**
					TREND				
2010									
June	1.1	2.9	–0.1	–5.8	1.2	–3.0	0.8	24.7	**0.4**
September	5.3	6.1	3.3	–4.0	1.7	0.2	4.8	22.8	**3.4**
December	6.2	5.5	9.6	3.3	–0.6	1.3	–2.7	14.8	**4.6**
2011									
March	5.0	1.6	13.5	7.1	9.7	–0.5	–3.5	5.6	**8.2**
June	3.0	–0.5	11.7	4.9	18.5	–1.8	5.7	1.3	**9.8**
September	1.6	–1.6	8.5	1.9	18.7	–2.1	6.4	0.3	**9.1**

— nil or rounded to zero (including null cells)

(a) Reference year for chain volume measures is 2009–10. Refer to paragraphs 25–29 of the Explanatory Notes.

BY THE PRIVATE SECTOR

Period	*For the private sector* $m	*For the public sector* $m	*Total* $m	*By the public sector* $m	*Total for the public sector*(a) $m	***Total*** $m
ORIGINAL						
2008–09	48 316.2	14 360.8	62 676.9	13 357.0	27 717.8	**76 033.9**
2009–10	46 324.3	14 748.9	61 073.2	14 919.6	29 668.5	**75 992.8**
2010–11	55 142.6	15 695.4	70 838.0	15 144.0	30 839.4	**85 982.0**
2010						
June	12 422.1	3 812.9	16 235.0	4 282.0	8 094.9	**20 517.0**
September	11 720.2	3 650.7	15 370.9	3 184.4	6 835.1	**18 555.3**
December	14 288.8	3 778.2	18 067.0	3 672.8	7 451.1	**21 739.8**
2011						
March	13 285.6	3 724.2	17 009.8	3 616.4	7 340.6	**20 626.2**
June	15 848.0	4 542.3	20 390.2	4 670.4	9 212.7	**25 060.7**
September	20 266.4	4 018.6	24 285.0	3 453.2	7 471.8	**27 738.2**
SEASONALLY ADJUSTED						
2010						
June	11 870.6	3 628.0	15 498.6	3 684.5	7 312.5	**19 183.1**
September	11 829.2	3 656.2	15 485.4	3 572.2	7 228.4	**19 057.5**
December	13 441.0	3 714.8	17 155.8	3 641.0	7 355.7	**20 796.8**
2011						
March	14 767.1	3 984.9	18 751.9	3 856.2	7 841.0	**22 608.1**
June	15 175.6	4 322.1	19 497.6	4 006.0	8 328.1	**23 503.6**
September	20 406.4	4 019.2	24 425.6	3 892.3	7 911.5	**28 317.9**
TREND						
2010						
June	11 582.0	3 585.8	15 167.8	3 678.9	7 264.7	**18 846.7**
September	12 292.0	3 636.8	15 928.7	3 639.9	7 276.7	**19 568.6**
December	13 082.6	3 799.4	16 882.0	3 678.3	7 477.6	**20 560.3**
2011						
March	14 528.7	3 990.5	18 519.2	3 823.8	7 814.3	**22 343.0**
June	16 581.0	4 130.5	20 711.4	3 927.7	8 058.2	**24 639.1**
September	18 946.1	4 193.5	23 139.6	3 969.1	8 162.6	**27 108.7**

(a) Includes work done by the private sector for the public sector and work done by the public sector.

6 VALUE OF WORK DONE: **Current prices**—Change from previous period

BY THE PRIVATE SECTOR

Period	*For the private sector* %	*For the public sector* %	*Total* %	*By the public sector* %	*Total for the public sector*(a) %	***Total*** %
			ORIGINAL			
2008–09	24.0	32.4	25.9	18.2	25.2	**24.4**
2009–10	–4.1	2.7	–2.6	11.7	7.0	**–0.1**
2010–11	19.0	6.4	16.0	1.5	3.9	**13.1**
2010						
June	21.8	15.4	20.2	17.6	16.6	**19.7**
September	–5.7	–4.3	–5.3	–25.6	–15.6	**–9.6**
December	21.9	3.5	17.5	15.3	9.0	**17.2**
2011						
March	–7.0	–1.4	–5.9	–1.5	–1.5	**–5.1**
June	19.3	22.0	19.9	29.1	25.5	**21.5**
September	27.9	–11.5	19.1	–26.1	–18.9	**10.7**
			SEASONALLY ADJUSTED			
2010						
June	4.9	2.2	4.3	–5.4	–1.8	**2.3**
September	–0.3	0.8	–0.1	–3.0	–1.2	**–0.7**
December	13.6	1.6	10.8	1.9	1.8	**9.1**
2011						
March	9.9	7.3	9.3	5.9	6.6	**8.7**
June	2.8	8.5	4.0	3.9	6.2	**4.0**
September	34.5	–7.0	25.3	–2.8	–5.0	**20.5**
			TREND			
2010						
June	2.1	–1.2	1.3	–1.8	–1.5	**0.7**
September	6.1	1.4	5.0	–1.1	0.2	**3.8**
December	6.4	4.5	6.0	1.1	2.8	**5.1**
2011						
March	11.1	5.0	9.7	4.0	4.5	**8.7**
June	14.1	3.5	11.8	2.7	3.1	**10.3**
September	14.3	1.5	11.7	1.1	1.3	**10.0**

(a) Includes work done by the private sector for the public sector and work done by the public sector.

7 VALUE OF WORK DONE, States and territories: **Current prices**

Period	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	**Aust.**
	$m	$m	$m	$m	$m	$m	$m	$m	$m
ORIGINAL									
2008–09	16 315.8	8 346.0	21 068.9	3 618.0	22 664.2	1 000.1	2 657.2	363.8	**76 033.9**
2009–10	16 181.8	9 538.6	19 577.7	4 698.9	23 458.2	964.0	1 169.2	404.3	**75 992.8**
2010–11	18 469.9	11 177.5	23 818.9	4 669.9	25 189.4	959.8	927.8	768.9	**85 982.0**
2010									
June	4 401.2	2 670.1	4 907.4	1 301.7	6 547.1	252.2	309.1	128.2	**20 517.0**
September	3 815.4	2 557.5	5 145.7	899.2	5 533.0	206.2	234.9	163.3	**18 555.3**
December	4 860.2	2 824.8	5 503.9	1 149.6	6 740.5	238.2	230.5	^ 192.2	**21 739.8**
2011									
March	4 435.3	2 764.3	5 553.9	1 113.1	6 081.6	237.4	238.6	^ 202.0	**20 626.2**
June	5 358.9	3 030.8	7 615.4	1 507.9	6 834.3	278.1	223.8	211.5	**25 060.7**
September	4 999.3	2 774.5	7 566.8	1 082.7	10 634.4	184.5	293.2	^ 202.8	**27 738.2**
SEASONALLY ADJUSTED									
2010									
June	4 043.6	2 488.0	4 737.1	1 135.7	6 408.3	226.1	300.4	124.5	**19 183.1**
September	3 975.0	2 623.2	5 035.6	1 024.2	5 532.6	247.2	232.4	168.9	**19 057.5**
December	4 855.2	2 763.7	5 372.6	1 112.3	6 267.7	231.1	226.0	^ 190.6	**20 796.8**
2011									
March	4 667.8	2 972.8	6 063.5	1 184.8	6 773.7	233.3	254.0	^ 203.1	**22 608.1**
June	4 926.6	2 829.4	7 345.3	1 308.3	6 640.7	249.9	218.2	204.9	**23 503.6**
September	5 195.6	2 839.7	7 387.1	1 238.2	10 668.9	218.8	288.7	^ 210.4	**28 317.9**
TREND									
2010									
June	4 010.9	2 457.4	4 798.4	1 116.9	5 891.3	232.3	231.3	132.3	**18 846.7**
September	4 241.5	2 626.4	4 970.4	1 074.3	6 017.5	234.2	244.7	163.1	**19 568.6**
December	4 527.9	2 795.3	5 468.0	1 108.8	6 007.5	238.1	240.2	188.6	**20 560.3**
2011									
March	4 784.8	2 868.1	6 221.5	1 189.5	6 608.6	238.0	233.7	201.4	**22 343.0**
June	4 969.0	2 880.2	6 965.7	1 253.3	7 849.9	235.1	248.5	206.8	**24 639.1**
September	5 083.8	2 857.1	7 570.8	1 282.6	9 330.6	231.3	265.7	209.6	**27 108.7**

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

8 VALUE OF WORK DONE, States and territories: **Current prices**—Change from previous period

Period	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	**Aust.**
	%	%	%	%	%	%	%	%	%
					ORIGINAL				
2008–09	32.2	14.0	25.5	39.1	15.9	19.5	107.7	–1.6	**24.4**
2009–10	–0.8	14.3	–7.1	29.9	3.5	–3.6	–56.0	11.2	**–0.1**
2010–11	14.1	17.2	21.7	–0.6	7.4	–0.4	–20.7	90.2	**13.1**
2010									
June	15.2	25.6	10.3	16.5	27.5	6.4	104.0	20.3	**19.7**
September	–13.3	–4.2	4.9	–30.9	–15.5	–18.3	–24.0	27.4	**–9.6**
December	27.4	10.4	7.0	27.8	21.8	15.5	–1.9	17.7	**17.2**
2011									
March	–8.7	–2.1	0.9	–3.2	–9.8	–0.3	3.5	5.1	**–5.1**
June	20.8	9.6	37.1	35.5	12.4	17.2	–6.2	4.7	**21.5**
September	–6.7	–8.5	–0.6	–28.2	55.6	–33.6	31.0	–4.1	**10.7**
					SEASONALLY ADJUSTED				
2010									
June	0.9	9.0	–2.1	–4.4	13.1	–1.8	87.1	16.1	**2.3**
September	–1.7	5.4	6.3	–9.8	–13.7	9.3	–22.6	35.7	**–0.7**
December	22.1	5.4	6.7	8.6	13.3	–6.5	–2.8	12.8	**9.1**
2011									
March	–3.9	7.6	12.9	6.5	8.1	1.0	12.4	6.6	**8.7**
June	5.5	–4.8	21.1	10.4	–2.0	7.1	–14.1	0.9	**4.0**
September	5.5	0.4	0.6	–5.4	60.7	–12.5	32.3	2.7	**20.5**
					TREND				
2010									
June	1.4	3.5	0.2	–5.3	1.4	–2.2	1.3	25.4	**0.7**
September	5.7	6.9	3.6	–3.8	2.1	0.8	5.8	23.3	**3.8**
December	6.8	6.4	10.0	3.2	–0.2	1.7	–1.8	15.6	**5.1**
2011									
March	5.7	2.6	13.8	7.3	10.0	—	–2.7	6.8	**8.7**
June	3.9	0.4	12.0	5.4	18.8	–1.2	6.3	2.7	**10.3**
September	2.3	–0.8	8.7	2.3	18.9	–1.6	6.9	1.4	**10.0**

— nil or rounded to zero (including null cells)

9 ACTIVITY, States and territories: **Original**

Period	NSW $m	Vic. $m	Qld $m	SA $m	WA $m	Tas. $m	NT $m	ACT $m	***Aust.*** $m
VALUE OF WORK COMMENCED DURING PERIOD									
2008–09	15 640.2	8 623.1	22 131.3	5 397.7	18 982.7	1 290.6	1 798.7	607.1	**74 471.5**
2009–10	16 259.4	12 753.9	17 625.0	3 880.3	55 137.9	918.9	1 539.1	582.8	**108 697.4**
2010–11	18 931.6	9 548.0	31 062.8	4 443.5	29 907.2	822.7	689.3	525.4	**95 930.5**
2010									
June	4 651.2	2 730.3	4 162.8	1 297.3	2 642.9	199.3	758.7	66.4	**16 508.9**
September	4 590.6	2 852.7	4 039.8	701.4	5 392.9	216.0	184.5	87.6	**18 065.6**
December	4 932.9	2 586.6	17 560.1	1 534.9	14 575.6	174.1	127.8	*200.3	**41 692.3**
2011									
March	4 105.8	2 185.0	4 575.8	1 009.0	2 640.5	187.7	^200.0	^110.0	**15 013.8**
June	5 302.3	1 923.7	4 887.1	1 198.2	7 298.2	244.9	177.0	^127.5	**21 158.9**
September	4 444.3	1 900.0	18 730.8	1 046.9	9 775.9	181.6	253.1	^120.6	**36 453.3**
VALUE OF WORK DONE DURING PERIOD									
2008–09	16 315.8	8 346.0	21 068.9	3 618.0	22 664.2	1 000.1	2 657.2	363.8	**76 033.9**
2009–10	16 181.8	9 538.6	19 577.7	4 698.9	23 458.2	964.0	1 169.2	404.3	**75 992.8**
2010–11	18 469.9	11 177.5	23 818.9	4 669.9	25 189.4	959.8	927.8	768.9	**85 982.0**
2010									
June	4 401.2	2 670.1	4 907.4	1 301.7	6 547.1	252.2	309.1	128.2	**20 517.0**
September	3 815.4	2 557.5	5 145.7	899.2	5 533.0	206.2	234.9	163.3	**18 555.3**
December	4 860.2	2 824.8	5 503.9	1 149.6	6 740.5	238.2	230.5	^192.2	**21 739.8**
2011									
March	4 435.3	2 764.3	5 553.9	1 113.1	6 081.6	237.4	238.6	^202.0	**20 626.2**
June	5 358.9	3 030.8	7 615.4	1 507.9	6 834.3	278.1	223.8	211.5	**25 060.7**
September	4 999.3	2 774.5	7 566.8	1 082.7	10 634.4	184.5	293.2	^202.8	**27 738.2**
VALUE OF WORK YET TO BE DONE									
2008–09	6 304.7	2 806.3	13 445.0	2 556.7	20 578.0	694.1	496.4	185.6	**47 066.8**
2009–10	7 783.0	6 741.9	12 640.4	1 598.3	52 737.5	786.6	656.3	441.3	**83 385.2**
2010–11	8 469.1	5 836.3	24 951.1	1 487.4	64 690.8	690.8	337.3	401.7	**106 864.5**
2010									
June	7 783.0	6 741.9	12 640.4	1 598.3	52 737.5	786.6	656.3	441.3	**83 385.2**
September	7 996.7	7 985.0	11 914.3	1 433.6	52 796.5	929.6	654.8	528.8	**84 239.2**
December	8 846.1	7 479.7	25 562.8	1 982.1	66 054.2	727.1	^663.4	^626.4	**111 941.8**
2011									
March	8 301.8	7 657.1	25 074.9	1 831.3	63 053.5	705.7	^581.2	492.7	**107 698.3**
June	8 469.1	5 836.3	24 951.1	1 487.4	64 690.8	690.8	337.3	401.7	**106 864.5**
September	8 227.1	5 174.9	37 652.7	1 328.5	65 660.5	726.8	299.3	311.3	**119 381.1**

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

* estimate has a relative standard error of 25% to 50% and should be used with caution

10 ACTIVITY, States and territories: **Original**—Change from previous period

Period	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	***Aust.***
	%	%	%	%	%	%	%	%	%
VALUE OF WORK COMMENCED DURING PERIOD									
2008–09	–6.5	6.2	7.2	80.8	–33.0	42.1	–16.0	51.2	**–7.2**
2009–10	4.0	47.9	–20.4	–28.1	190.5	–28.8	–14.4	–4.0	**46.0**
2010–11	16.4	–25.1	76.2	14.5	–45.8	–10.5	–55.2	–9.8	**–11.7**
2010									
June	18.0	7.8	–13.0	57.0	–39.1	–26.8	407.8	–21.5	**–2.5**
September	–1.3	4.5	–3.0	–45.9	104.0	8.4	–75.7	31.9	**9.4**
December	7.5	–9.3	334.7	118.8	170.3	–19.4	–30.8	128.7	**130.8**
2011									
March	–16.8	–15.5	–73.9	–34.3	–81.9	7.8	56.5	–45.1	**–64.0**
June	29.1	–12.0	6.8	18.8	176.4	30.5	–11.5	16.0	**40.9**
September	–16.2	–1.2	283.3	–12.6	34.0	–25.9	43.0	–5.5	**72.3**
VALUE OF WORK DONE DURING PERIOD									
2008–09	32.2	14.0	25.5	39.1	15.9	19.5	107.7	–1.6	**24.4**
2009–10	–0.8	14.3	–7.1	29.9	3.5	–3.6	–56.0	11.2	**–0.1**
2010–11	14.1	17.2	21.7	–0.6	7.4	–0.4	–20.7	90.2	**13.1**
2010									
June	15.2	25.6	10.3	16.5	27.5	6.4	104.0	20.3	**19.7**
September	–13.3	–4.2	4.9	–30.9	–15.5	–18.3	–24.0	27.4	**–9.6**
December	27.4	10.4	7.0	27.8	21.8	15.5	–1.9	17.7	**17.2**
2011									
March	–8.7	–2.1	0.9	–3.2	–9.8	–0.3	3.5	5.1	**–5.1**
June	20.8	9.6	37.1	35.5	12.4	17.2	–6.2	4.7	**21.5**
September	–6.7	–8.5	–0.6	–28.2	55.6	–33.6	31.0	–4.1	**10.7**
VALUE OF WORK YET TO BE DONE									
2008–09	–15.4	–20.0	–4.3	87.2	–15.0	236.6	–61.1	462.0	**–9.6**
2009–10	23.4	140.2	–6.0	–37.5	156.3	13.3	32.2	137.8	**77.2**
2010–11	8.8	–13.4	97.4	–6.9	22.7	–12.2	–48.6	–9.0	**28.2**
2010									
June	11.9	6.1	–5.5	1.6	–6.2	–1.8	86.9	–11.3	**–3.2**
September	2.7	18.4	–5.7	–10.3	0.1	18.2	–0.2	19.8	**1.0**
December	10.6	–6.3	114.6	38.3	25.1	–21.8	1.3	18.5	**32.9**
2011									
March	–6.2	2.4	–1.9	–7.6	–4.5	–2.9	–12.4	–21.3	**–3.8**
June	2.0	–23.8	–0.5	–18.8	2.6	–2.1	–42.0	–18.5	**–0.8**
September	–2.9	–11.3	50.9	–10.7	1.5	5.2	–11.3	–22.5	**11.7**

11 ACTIVITY, By type: **Original**

Period	*Roads, highways and subdivisions* $m	*Bridges* $m	*Railways* $m	*Harbours* $m	*Water storage and supply* $m	*Sewerage and drainage* $m	*Electricity generation, transmission and distribution* $m	*Pipelines* $m	*Recreation* $m
VALUE OF WORK COMMENCED DURING PERIOD									
2008–09	19 010.1	913.0	4 726.5	1 462.0	5 762.1	3 161.0	11 394.3	1 125.3	2 270.9
2009–10	13 313.9	1 053.6	4 764.7	3 023.5	8 197.5	2 330.3	10 090.2	3 901.7	2 656.4
2010–11	16 110.8	948.0	5 836.7	5 971.0	3 272.6	2 925.7	10 367.2	2 349.3	3 055.1
2010									
June	3 921.2	423.1	2 089.1	182.9	^ 933.3	585.5	2 728.3	119.8	^ 738.6
September	4 024.1	172.2	1 283.0	1 180.7	976.3	901.3	2 828.5	^ 147.5	^ 846.8
December	5 519.1	396.5	839.1	4 236.8	1 245.1	^ 709.1	2 750.8	1 629.1	^ 775.6
2011									
March	3 217.2	238.9	1 663.2	*249.2	^ 517.6	^ 624.1	2 414.1	222.7	^ 664.3
June	3 350.4	^ 140.5	2 051.5	304.3	533.5	691.2	2 373.8	350.0	^ 768.4
September	3 192.9	^ 178.9	1 892.3	^ 258.6	1 308.5	^ 628.0	2 154.7	1 350.7	799.1
VALUE OF WORK DONE DURING PERIOD									
2008–09	16 270.1	1 240.0	3 389.8	1 939.6	4 567.2	2 916.4	11 459.6	893.3	2 134.4
2009–10	14 359.8	1 261.4	4 663.2	2 124.5	5 864.3	2 845.3	11 024.3	1 008.9	2 605.7
2010–11	16 184.0	1 267.7	5 990.2	3 333.8	5 878.7	3 458.2	10 660.5	1 767.2	2 871.1
2010									
June	3 849.9	337.1	1 347.4	532.4	1 821.6	888.1	2 696.3	191.0	778.3
September	3 559.6	279.8	1 201.6	594.8	1 598.9	730.1	2 359.2	209.2	622.0
December	3 989.1	467.2	1 581.1	840.2	1 560.0	822.7	2 764.6	443.1	720.9
2011									
March	4 057.8	201.1	1 432.8	817.4	1 291.0	753.4	2 550.0	500.0	^ 725.5
June	4 577.6	319.6	1 774.6	1 081.4	1 428.8	1 152.0	2 986.7	614.9	802.7
September	4 345.0	216.3	2 455.0	1 023.9	1 214.9	776.3	2 525.6	468.2	703.0
VALUE OF WORK YET TO BE DONE DURING PERIOD									
2008–09	9 301.1	866.0	3 134.3	1 632.9	3 227.8	1 418.3	4 026.4	776.2	238.6
2009–10	9 665.1	627.1	3 686.5	2 947.6	5 938.2	1 439.1	3 563.0	3 554.1	462.2
2010–11	9 902.7	506.2	5 232.4	4 863.8	3 545.7	2 005.0	4 891.5	4 100.2	492.4
2010									
June	9 665.1	627.1	3 686.5	2 947.6	5 938.2	1 439.1	3 563.0	3 554.1	^ 462.2
September	10 345.8	555.4	3 309.0	3 660.8	5 342.0	^ 2 005.4	4 825.5	3 532.5	^ 567.6
December	12 343.1	632.4	4 534.7	6 106.4	5 152.0	^ 2 010.3	5 224.2	4 595.9	^ 566.0
2011									
March	10 951.3	^ 734.6	4 922.2	5 729.1	4 172.9	^ 1 851.2	5 637.7	4 325.0	481.0
June	9 902.7	506.2	5 232.4	4 863.8	3 545.7	2 005.0	4 891.5	4 100.2	^ 492.4
September	8 850.5	512.3	9 298.9	4 119.4	3 873.9	^ 1 804.2	4 497.3	5 036.7	^ 394.2

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

* estimate has a relative standard error of 25% to 50% and should be used with caution

Period	*Telecom-munications* $m	*Oil, gas, coal and other minerals* $m	*Other heavy industry* $m	*Other* $m	***Total*** $m
VALUE OF WORK COMMENCED DURING PERIOD					
2008–09	4 019.9	16 349.0	1 574.3	2 703.2	**74 471.5**
2009–10	4 101.8	53 337.6	649.0	1 277.2	**108 697.4**
2010–11	3 803.8	39 814.8	607.0	868.5	**95 930.5**
2010					
June	1 013.7	3 434.6	103.3	^ 235.4	**16 508.9**
September	924.2	4 535.4	74.4	^ 171.2	**18 065.6**
December	837.9	22 483.5	105.1	^ 164.6	**41 692.3**
2011					
March	997.4	3 704.6	139.7	361.0	**15 013.8**
June	1 044.3	9 091.4	287.8	^ 171.8	**21 158.9**
September	1 052.8	23 034.1	215.7	^ 387.0	**36 453.3**
VALUE OF WORK DONE DURING PERIOD					
2008–09	3 989.3	24 567.0	1 156.8	1 510.3	**76 033.9**
2009–10	3 836.8	24 376.6	502.9	1 519.1	**75 992.8**
2010–11	3 901.1	28 908.5	866.3	894.9	**85 982.0**
2010					
June	1 080.9	6 593.8	165.9	^ 234.3	**20 517.0**
September	935.9	6 108.4	124.1	^ 231.7	**18 555.3**
December	901.7	7 238.2	210.2	^ 200.7	**21 739.8**
2011					
March	903.9	7 027.5	158.8	^ 207.0	**20 626.2**
June	1 159.7	8 534.3	373.2	^ 255.4	**25 060.7**
September	1 060.9	12 428.6	218.8	^ 301.6	**27 738.2**
VALUE OF WORK YET TO BE DONE DURING PERIOD					
2008–09	199.4	20 772.6	453.3	1 019.8	**47 066.8**
2009–10	363.6	49 954.7	400.6	783.1	**83 385.2**
2010–11	346.6	70 193.4	538.8	245.8	**106 864.5**
2010					
June	363.6	49 954.7	400.6	783.1	**83 385.2**
September	374.9	48 690.3	290.9	739.2	**84 239.2**
December	312.6	69 853.7	466.3	^ 144.3	**111 941.8**
2011					
March	458.6	67 443.2	587.4	404.0	**107 698.3**
June	346.6	70 193.4	538.8	^ 245.8	**106 864.5**
September	449.0	79 476.6	701.5	^ 366.6	**119 381.1**

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

12 WORK COMMENCED BY THE PRIVATE SECTOR, By type: **Original**

Period	*Roads, highways and subdivisions* $m	*Bridges* $m	*Railways* $m	*Harbours* $m	*Water storage and supply* $m	*Sewerage and drainage* $m	*Electricity generation, transmission and distribution* $m	*Pipelines* $m
BY THE PRIVATE SECTOR FOR THE PRIVATE SECTOR								
2008–09	8 578.0	56.4	1 886.1	1 226.3	1 127.7	779.7	4 970.6	1 114.1
2009–10	3 665.4	46.5	613.2	2 712.3	4 520.6	519.8	3 484.2	3 886.4
2010–11	4 906.2	157.6	1 996.3	5 471.5	1 477.0	613.3	3 581.6	2 319.0
2010								
June	899.8	**7.6	80.5	124.2	*303.9	^104.4	1 147.3	118.0
September	878.7	^5.0	651.0	1 138.5	^408.9	^122.1	1 372.8	^141.4
December	1 962.0	**33.0	123.6	4 098.5	771.5	^124.8	778.2	1 622.9
2011								
March	^918.0	101.9	169.4	*63.1	^142.3	*185.1	748.7	211.6
June	1 147.5	*17.6	1 052.3	171.3	^154.3	*181.3	681.9	343.1
September	^906.6	*19.6	654.8	^210.0	^167.7	*190.5	631.3	1 343.8
BY THE PRIVATE SECTOR FOR THE PUBLIC SECTOR								
2008–09	6 582.1	608.1	1 790.2	204.4	3 519.1	1 459.5	833.2	3.1
2009–10	6 090.9	727.5	2 377.4	276.9	1 702.3	1 053.7	866.9	8.9
2010–11	7 378.3	594.0	1 559.8	451.9	707.3	1 317.3	1 171.0	25.4
2010								
June	2 115.0	296.6	1 450.5	*44.5	^351.8	^249.9	^264.9	**0.5
September	2 226.3	^102.6	237.5	*35.2	165.8	^330.9	^119.0	^5.3
December	2 456.2	309.3	333.6	^125.7	^202.7	^379.2	568.2	5.7
2011								
March	1 513.0	^102.8	669.8	**163.1	168.0	*281.2	^231.0	7.5
June	1 182.8	^79.2	318.9	^128.0	^170.7	325.9	^252.8	6.9
September	1 199.7	*100.9	714.2	*43.9	^388.1	*198.3	246.1	6.6
TOTAL BY THE PRIVATE SECTOR								
2008–09	15 160.1	664.5	3 676.3	1 430.7	4 646.8	2 239.2	5 803.8	1 117.2
2009–10	9 756.3	774.0	2 990.6	2 989.2	6 222.9	1 573.5	4 351.1	3 895.2
2010–11	12 284.5	751.5	3 556.1	5 923.4	2 184.2	1 930.6	4 752.6	2 344.4
2010								
June	3 014.9	304.2	1 531.0	168.7	^655.7	^354.3	1 412.2	118.6
September	3 105.0	^107.7	888.5	1 173.7	574.7	^452.9	1 491.7	^146.7
December	4 418.1	342.3	457.2	4 224.2	974.2	^504.1	1 346.4	1 628.6
2011								
March	2 431.0	204.8	839.2	*226.2	310.3	^466.3	979.8	219.1
June	2 330.3	^96.8	1 371.2	299.3	^325.0	^507.2	934.6	350.0
September	2 106.4	*120.5	1 369.0	^253.9	^555.7	^388.8	877.4	1 350.4

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** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

12 WORK COMMENCED BY THE PRIVATE SECTOR, By type: **Original** *continued*

Period	Recreation $m	Telecom-munications $m	Oil, gas, coal and other minerals $m	Other heavy industry $m	Other $m	**Total** $m
BY THE PRIVATE SECTOR FOR THE PRIVATE SECTOR						
2008–09	1 405.8	3 953.3	16 155.7	1 564.2	2 338.1	**45 156.0**
2009–10	1 700.2	3 643.6	53 263.7	639.4	1 031.7	**79 726.9**
2010–11	1 863.0	3 755.1	39 750.9	600.4	748.3	**67 240.1**
2010						
June	^ 474.6	994.0	3 414.9	100.3	^ 210.4	**7 980.0**
September	*589.5	899.1	4 519.3	74.2	^ 150.6	**10 951.0**
December	^ 463.6	825.9	22 436.0	102.7	^ 127.8	**33 470.6**
2011						
March	^ 410.7	991.8	3 704.6	139.5	334.8	**8 121.5**
June	^ 399.3	1 038.3	9 091.0	284.0	^ 135.1	**14 697.0**
September	^ 534.8	1 032.1	23 012.4	215.4	^ 333.7	**29 252.7**
BY THE PRIVATE SECTOR FOR THE PUBLIC SECTOR						
2008–09	380.4	58.7	186.0	0.1	361.0	**15 985.9**
2009–10	315.9	449.4	73.9	—	237.6	**14 181.3**
2010–11	486.0	44.4	64.0	2.9	105.1	**13 907.1**
2010						
June	^ 100.3	18.2	^ 19.8	—	*23.1	**4 935.3**
September	^ 66.2	24.4	**16.1	—	**13.7	**3 342.9**
December	*121.9	10.7	**47.5	—	*32.0	**4 592.6**
2011						
March	^ 133.1	4.3	—	^ —	*25.0	**3 298.9**
June	*164.9	5.0	0.4	**2.9	*34.4	**2 672.8**
September	^ 101.9	*19.6	^ 3.5	—	*52.9	**3 075.6**
TOTAL BY THE PRIVATE SECTOR						
2008–09	1 786.2	4 012.0	16 341.7	1 564.3	2 699.1	**61 141.9**
2009–10	2 016.1	4 093.0	53 337.6	639.4	1 269.3	**93 908.2**
2010–11	2 349.0	3 799.4	39 814.8	603.3	853.5	**81 147.3**
2010						
June	^ 575.0	1 012.2	3 434.6	100.3	^ 233.5	**12 915.3**
September	^ 655.6	923.4	4 535.4	74.2	^ 164.3	**14 293.9**
December	^ 585.4	836.5	22 483.5	102.7	^ 159.8	**38 063.2**
2011						
March	^ 543.8	996.1	3 704.6	139.5	359.8	**11 420.4**
June	^ 564.1	1 043.4	9 091.4	286.9	^ 169.5	**17 369.7**
September	^ 636.8	1 051.7	23 015.9	215.4	^ 386.6	**32 328.3**

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** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

13 WORK DONE BY THE PRIVATE SECTOR, By type: **Original**

Period	*Roads, highways and subdivisions* $m	*Bridges* $m	*Railways* $m	*Harbours* $m	*Water storage and supply* $m	*Sewerage and drainage* $m	*Electricity generation, transmission and distribution* $m	*Pipelines* $m
BY THE PRIVATE SECTOR FOR THE PRIVATE SECTOR								
2008–09	6 157.1	87.5	1 216.6	1 240.3	598.7	1 024.3	5 211.0	882.7
2009–10	4 866.6	46.3	1 336.1	1 411.7	1 735.0	516.8	4 260.3	994.2
2010–11	5 189.9	110.2	1 967.6	2 612.2	2 946.0	652.3	4 213.0	1 734.3
2010								
June	1 182.9	**10.0	437.8	417.6	668.0	^ 146.0	1 004.4	189.0
September	1 151.1	**18.3	368.9	470.2	714.2	165.5	927.7	205.7
December	1 492.8	**26.0	676.8	699.3	833.2	^ 136.3	1 126.0	436.5
2011								
March	1 272.9	*25.5	419.4	678.8	714.4	^ 176.4	942.7	489.4
June	1 273.2	^ 40.4	502.5	763.8	684.2	^ 174.1	1 216.5	602.7
September	1 430.3	*32.8	1 245.8	924.6	603.0	^ 209.1	1 003.4	440.2
BY THE PRIVATE SECTOR FOR THE PUBLIC SECTOR								
2008–09	6 162.0	956.4	1 242.6	294.0	3 063.9	1 099.8	645.9	3.3
2009–10	5 833.7	993.2	1 399.2	514.9	2 752.3	1 371.6	900.7	8.6
2010–11	7 100.3	941.1	1 930.2	670.3	1 531.4	1 574.9	951.7	29.7
2010								
June	1 568.3	247.6	343.9	^ 98.8	662.8	415.0	248.6	**0.5
September	1 691.8	210.7	434.1	112.8	512.4	^ 355.0	154.7	*2.6
December	1 513.2	386.7	475.2	^ 124.4	374.6	^ 383.4	286.7	6.2
2011								
March	1 883.0	140.0	454.6	^ 122.1	257.0	^ 300.6	259.0	8.8
June	2 012.4	203.8	566.3	311.0	387.4	535.9	251.3	12.1
September	1 987.3	^ 138.7	659.9	94.9	^ 324.0	^ 327.2	279.5	27.7
TOTAL BY THE PRIVATE SECTOR								
2008–09	12 319.0	1 043.9	2 459.2	1 534.3	3 662.6	2 124.2	5 856.9	886.0
2009–10	10 700.3	1 039.5	2 735.4	1 926.6	4 487.3	1 888.4	5 161.1	1 002.8
2010–11	12 290.2	1 051.4	3 897.8	3 282.5	4 477.3	2 227.2	5 164.7	1 764.0
2010								
June	2 751.2	257.6	781.8	516.4	1 330.8	561.1	1 253.0	189.5
September	2 842.9	229.0	803.0	583.0	1 226.5	520.5	1 082.4	208.3
December	3 005.9	412.7	1 152.0	823.8	1 207.8	519.7	1 412.8	442.6
2011								
March	3 155.9	165.5	874.0	800.9	971.4	^ 477.0	1 201.7	498.2
June	3 285.6	244.1	1 068.8	1 074.8	1 071.6	710.0	1 467.9	614.8
September	3 417.6	^ 171.5	1 905.7	1 019.5	927.0	^ 536.3	1 282.9	467.9

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13 WORK DONE BY THE PRIVATE SECTOR, By type: **Original** *continued*

Period	Recreation $m	Telecom-munications $m	Oil, gas, coal and other minerals $m	Other heavy industry $m	Other $m	**Total** $m
BY THE PRIVATE SECTOR FOR THE PRIVATE SECTOR						
2008–09	1 228.4	3 933.9	24 329.2	1 153.6	1 253.0	**48 316.2**
2009–10	1 517.4	3 656.1	24 210.4	494.0	1 279.4	**46 324.3**
2010–11	1 592.4	3 630.2	28 851.9	858.6	784.2	**55 142.6**
2010						
June	^ 427.1	1 001.3	6 569.6	160.7	207.8	**12 422.1**
September	^ 411.2	859.3	6 092.6	122.1	213.5	**11 720.2**
December	^ 430.7	812.3	7 221.4	208.0	189.5	**14 288.8**
2011						
March	^ 353.1	856.9	7 012.6	158.5	^ 185.0	**13 285.6**
June	^ 397.4	1 101.8	8 525.4	370.0	^ 196.1	**15 848.0**
September	^ 456.8	1 006.8	12 413.3	216.1	^ 284.1	**20 266.4**
BY THE PRIVATE SECTOR FOR THE PUBLIC SECTOR						
2008–09	366.1	48.4	230.6	0.1	247.7	**14 360.8**
2009–10	406.1	170.9	166.2	—	231.3	**14 748.9**
2010–11	549.2	264.9	49.4	2.3	99.9	**15 695.4**
2010						
June	^ 100.6	77.9	^ 24.2	^ —	*24.6	**3 812.9**
September	^ 68.9	75.7	*15.9	—	**16.0	**3 650.7**
December	^ 113.8	88.0	*16.8	—	*9.2	**3 778.2**
2011						
March	*217.5	45.6	**14.9	^ —	*21.1	**3 724.2**
June	*148.9	55.7	1.8	**2.3	*53.5	**4 542.3**
September	^ 104.9	52.9	^ 2.4	2.2	**17.0	**4 018.6**
TOTAL BY THE PRIVATE SECTOR						
2008–09	1 594.5	3 982.2	24 559.8	1 153.7	1 500.7	**62 676.9**
2009–10	1 923.5	3 827.1	24 376.6	494.0	1 510.7	**61 073.2**
2010–11	2 141.6	3 895.1	28 901.3	860.9	884.0	**70 838.0**
2010						
June	^ 527.7	1 079.2	6 593.8	160.7	^ 232.4	**16 235.0**
September	^ 480.1	935.0	6 108.4	122.1	^ 229.5	**15 370.9**
December	^ 544.6	900.2	7 238.2	208.0	^ 198.7	**18 067.0**
2011						
March	^ 570.6	902.4	7 027.5	158.5	^ 206.1	**17 009.8**
June	^ 546.2	1 157.5	8 527.1	372.3	^ 249.6	**20 390.2**
September	^ 561.6	1 059.7	12 415.7	218.3	^ 301.1	**24 285.0**

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— nil or rounded to zero (including null cells)

14 WORK YET TO BE DONE BY THE PRIVATE SECTOR, By type: **Original**

Period	*Roads, highways and subdivisions* $m	*Bridges* $m	*Railways* $m	*Harbours* $m	*Water storage and supply* $m	*Sewerage and drainage* $m	*Electricity generation, transmission and distribution* $m
BY THE PRIVATE SECTOR FOR THE PRIVATE SECTOR							
2008–09	3 702.0	8.8	1 730.7	689.3	599.0	105.5	2 907.6
2009–10	2 380.5	10.4	1 154.8	2 405.7	3 464.6	203.1	2 497.7
2010–11	2 613.6	64.4	3 265.8	4 672.5	1 896.1	234.5	3 451.1
2010							
June	2 380.5	**10.4	1 154.8	2 405.7	3 464.6	*203.1	2 497.7
September	2 026.5	**14.1	1 371.4	3 145.3	3 258.3	^153.7	3 690.0
December	2 891.3	6.3	2 233.2	5 874.6	2 980.0	^160.5	3 880.3
2011							
March	2 725.1	86.0	2 633.6	5 293.6	2 363.0	^224.1	4 157.5
June	2 613.6	64.4	3 265.8	4 672.5	1 896.1	^234.5	3 451.1
September	1 878.7	^67.9	7 142.6	3 980.7	1 877.9	^218.9	3 216.0
BY THE PRIVATE SECTOR FOR THE PUBLIC SECTOR							
2008–09	5 015.5	767.9	1 285.8	411.3	2 326.1	1 022.2	344.5
2009–10	6 675.6	513.0	2 517.1	216.5	1 750.6	885.6	304.0
2010–11	6 529.8	350.1	1 549.7	182.9	1 053.3	804.6	551.7
2010							
June	6 675.6	513.0	2 517.1	216.5	1 750.6	885.6	304.0
September	7 494.3	423.2	1 932.0	206.7	1 363.1	^1 232.4	323.6
December	8 308.2	474.4	2 296.5	217.8	1 300.2	^1 246.1	586.0
2011							
March	7 285.1	^532.9	1 857.2	^420.7	1 181.1	^1 023.8	549.3
June	6 529.8	350.1	1 549.7	182.9	1 053.3	^804.6	551.7
September	6 119.2	347.9	1 763.4	126.9	1 102.7	*782.7	545.8
TOTAL BY THE PRIVATE SECTOR							
2008–09	8 717.4	776.6	3 016.5	1 100.6	2 925.1	1 127.7	3 252.1
2009–10	9 056.2	523.4	3 671.9	2 622.2	5 215.2	1 088.6	2 801.7
2010–11	9 143.4	414.5	4 815.5	4 855.4	2 949.5	1 039.1	4 002.9
2010							
June	9 056.2	523.4	3 671.9	2 622.2	5 215.2	1 088.6	2 801.7
September	9 520.8	437.3	3 303.4	3 352.0	4 621.4	^1 386.1	4 013.6
December	11 199.5	480.7	4 529.7	6 092.4	4 280.2	^1 406.7	4 466.2
2011							
March	10 010.1	^618.9	4 490.7	5 714.3	3 544.0	^1 247.9	4 706.9
June	9 143.4	414.5	4 815.5	4 855.4	2 949.5	^1 039.1	4 002.9
September	7 997.9	415.8	8 906.0	4 107.6	2 980.6	^1 001.6	3 761.8

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14 WORK YET TO BE DONE BY THE PRIVATE SECTOR, By type: **Original** *continued*

Period	Pipelines $m	Recreation $m	Telecom-munications $m	Oil, gas, coal and other minerals $m	Other heavy industry $m	Other $m	**Total** $m
BY THE PRIVATE SECTOR FOR THE PRIVATE SECTOR							
2008–09	775.7	75.3	159.3	20 671.1	451.4	980.4	**32 855.9**
2009–10	3 553.2	216.2	61.7	49 946.2	396.6	745.1	**67 035.7**
2010–11	4 080.4	135.1	205.9	70 184.7	535.9	216.6	**91 556.7**
2010							
June	3 553.2	*216.2	61.7	49 946.2	396.6	745.1	**67 035.7**
September	3 528.5	*234.0	102.1	48 689.2	288.8	714.2	**67 216.0**
December	4 570.6	*175.2	115.4	69 823.0	464.1	^ 115.8	**93 290.2**
2011							
March	4 299.5	^ 114.7	263.0	67 426.8	585.3	366.7	**90 538.7**
June	4 080.4	*135.1	205.9	70 184.7	535.9	216.6	**91 556.7**
September	4 933.9	^ 135.3	330.4	79 468.5	698.3	^ 322.9	**104 271.9**
BY THE PRIVATE SECTOR FOR THE PUBLIC SECTOR							
2008–09	0.1	4.2	38.9	101.5	—	38.3	**11 356.4**
2009–10	0.5	43.4	301.7	8.6	—	37.9	**13 254.6**
2010–11	18.2	124.1	139.3	0.9	0.6	21.7	**11 326.9**
2010							
June	**0.5	^ 43.4	301.7	8.6	—	^ 37.9	**13 254.6**
September	^ 3.8	^ 45.3	272.8	1.1	—	^ 20.3	**13 318.6**
December	25.0	*41.1	195.8	**30.6	—	^ 17.8	**14 739.4**
2011							
March	^ 23.5	*116.3	194.2	**16.5	—	*26.4	**13 226.8**
June	18.2	*124.1	139.3	0.9	**0.6	**21.7	**11 326.9**
September	101.2	*97.5	118.5	^ 2.7	1.2	*43.7	**11 153.5**
TOTAL BY THE PRIVATE SECTOR							
2008–09	775.9	79.4	198.2	20 772.6	451.4	1 018.8	**44 212.3**
2009–10	3 553.7	259.6	363.4	49 954.7	396.6	783.0	**80 290.3**
2010–11	4 098.6	259.2	345.2	70 185.6	536.4	238.3	**102 883.6**
2010							
June	3 553.7	*259.6	363.4	49 954.7	396.6	783.0	**80 290.3**
September	3 532.3	*279.4	374.9	48 690.3	288.8	734.5	**80 534.6**
December	4 595.6	^ 216.2	311.1	69 853.7	464.1	^ 133.6	**108 029.6**
2011							
March	4 323.0	^ 231.0	457.2	67 443.2	585.3	393.0	**103 765.5**
June	4 098.6	^ 259.2	345.2	70 185.6	536.4	^ 238.3	**102 883.6**
September	5 035.1	^ 232.8	448.9	79 471.2	699.5	^ 366.6	**115 425.4**

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— nil or rounded to zero (including null cells)

15 ACTIVITY BY THE PUBLIC SECTOR, By type: **Original**

Period	*Roads, highways and subdivisions* $m	*Bridges* $m	*Railways* $m	*Harbours* $m	*Water storage and supply* $m	*Sewerage and drainage* $m	*Electricity generation, transmission and distribution* $m	*Pipelines* $m
VALUE OF WORK COMMENCED DURING PERIOD								
2008–09	3 850.0	248.5	1 050.2	31.2	1 115.3	921.8	5 590.5	8.2
2009–10	3 557.6	279.6	1 774.1	34.2	1 974.6	756.8	5 739.1	6.5
2010–11	3 826.3	196.5	2 280.7	47.6	1 088.4	995.2	5 614.6	4.9
2010								
June	906.4	118.8	558.1	*14.2	277.5	231.2	1 316.1	1.3
September	919.1	64.5	394.5	7.0	^401.6	^448.4	1 336.8	^0.7
December	1 101.0	54.1	381.9	12.6	^270.9	^205.1	1 404.4	0.5
2011								
March	786.1	^34.1	824.0	23.1	*207.3	^157.7	1 434.3	**3.7
June	1 020.0	43.7	680.3	4.9	^208.6	183.9	1 439.2	—
September	1 086.5	58.4	523.3	4.7	752.8	239.2	1 277.3	**0.3
VALUE OF WORK DONE DURING PERIOD								
2008–09	3 951.1	196.1	930.6	405.3	904.6	792.2	5 602.7	7.3
2009–10	3 659.5	221.9	1 927.8	197.9	1 377.0	956.9	5 863.2	6.1
2010–11	3 893.8	216.3	2 092.3	51.3	1 401.4	1 231.0	5 495.8	3.1
2010								
June	1 098.7	79.5	565.7	*16.1	490.8	327.0	1 443.3	1.6
September	716.7	50.8	398.6	11.8	372.4	209.5	1 276.7	^0.9
December	983.2	54.5	429.2	16.4	^352.2	303.0	1 351.9	0.4
2011								
March	901.9	^35.6	558.8	16.5	^319.6	276.4	1 348.3	**1.7
June	1 292.0	75.4	705.7	6.6	357.2	442.0	1 518.8	**0.1
September	927.4	44.8	549.3	4.4	287.9	240.0	1 242.7	*0.4
VALUE OF WORK YET TO BE DONE								
2008–09	583.7	89.4	117.8	532.3	302.7	290.7	774.3	0.4
2009–10	608.9	103.8	14.6	325.4	723.0	350.5	761.3	0.4
2010–11	759.3	91.6	416.9	8.5	596.2	965.9	888.6	1.6
2010								
June	608.9	103.8	14.6	325.4	723.0	^350.5	761.3	0.4
September	825.0	118.1	5.7	308.8	^720.6	^619.2	811.9	0.2
December	1 143.6	^151.7	5.0	14.0	^871.7	^603.6	758.0	0.3
2011								
March	941.1	115.7	431.5	14.8	^628.9	^603.3	930.8	**1.9
June	759.3	91.6	416.9	8.5	^596.2	965.9	888.6	**1.6
September	852.6	96.6	392.9	*11.8	893.3	802.6	735.5	**1.6

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* estimate has a relative standard error of 25% to 50% and should be used with caution

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

Period	*Recreation* $m	*Telecom-munications* $m	*Oil, gas, coal and other minerals* $m	*Other heavy industry* $m	*Other* $m	***Total*** $m
VALUE OF WORK COMMENCED DURING PERIOD						
2008–09	484.7	7.9	7.3	10.0	4.1	**13 329.6**
2009–10	640.3	8.8	—	9.6	7.9	**14 789.2**
2010–11	706.1	4.4	—	3.7	15.0	**14 783.3**
2010						
June	163.6	1.5	—	3.0	1.9	**3 593.7**
September	191.2	0.8	—	0.2	6.9	**3 771.6**
December	190.2	1.3	—	2.4	4.8	**3 629.1**
2011						
March	^120.5	1.3	—	0.2	1.2	**3 593.4**
June	^204.3	1.0	—	**0.9	2.3	**3 789.1**
September	162.4	1.2	18.2	0.3	0.4	**4 125.0**
VALUE OF WORK DONE DURING PERIOD						
2008–09	540.0	7.1	7.3	3.2	9.7	**13 357.0**
2009–10	682.2	9.8	—	8.9	8.4	**14 919.6**
2010–11	729.5	6.0	7.2	5.4	10.9	**15 144.0**
2010						
June	250.5	1.7	—	5.2	1.9	**4 282.0**
September	141.8	0.9	—	2.0	2.2	**3 184.4**
December	176.3	1.5	—	2.3	2.0	**3 672.8**
2011						
March	154.9	1.4	—	0.3	0.9	**3 616.4**
June	256.5	^2.2	7.2	*0.9	5.8	**4 670.4**
September	141.4	1.2	12.9	*0.5	0.5	**3 453.2**
VALUE OF WORK YET TO BE DONE						
2008–09	159.2	1.1	—	1.9	1.1	**2 854.5**
2009–10	202.6	0.3	—	4.0	0.1	**3 094.9**
2010–11	233.2	1.3	7.7	2.4	7.6	**3 980.9**
2010						
June	202.6	0.3	—	4.0	*0.1	**3 094.9**
September	288.3	—	—	2.1	4.7	**3 704.6**
December	^349.7	1.5	—	2.2	10.7	**3 912.1**
2011						
March	250.1	1.4	—	2.2	11.0	**3 932.7**
June	^233.2	*1.3	7.7	2.4	7.6	**3 980.9**
September	161.4	0.1	5.4	2.0	—	**3 955.6**

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— nil or rounded to zero (including null cells)

16 ACTIVITY FOR THE PUBLIC SECTOR, By type: **Original**

Period	*Roads, highways and subdivisions* $m	*Bridges* $m	*Railways* $m	*Harbours* $m	*Water storage and supply* $m	*Sewerage and drainage* $m	*Electricity generation, transmission and distribution* $m	*Pipelines* $m
VALUE OF WORK COMMENCED DURING PERIOD								
2008–09	10 432.1	856.6	2 840.4	235.6	4 634.4	2 381.2	6 423.7	11.3
2009–10	9 648.5	1 007.1	4 151.6	311.1	3 676.9	1 810.5	6 606.0	15.3
2010–11	11 204.6	790.5	3 840.4	499.5	1 795.6	2 312.4	6 785.6	30.3
2010								
June	3 021.4	415.5	2 008.6	^ 58.7	629.4	481.1	1 581.0	^ 1.8
September	3 145.4	167.1	632.0	*42.2	^ 567.4	^ 779.3	1 455.7	^ 6.0
December	3 557.1	363.5	715.5	^ 138.3	^ 473.6	^ 584.3	1 972.5	6.2
2011								
March	2 299.1	^ 137.0	1 493.8	*186.1	^ 375.3	^ 439.0	1 665.4	^ 11.2
June	2 202.9	122.9	999.2	^ 132.9	379.3	509.9	1 692.0	6.9
September	2 286.2	^ 159.3	1 237.5	*48.6	1 140.9	^ 437.5	1 523.4	6.9
VALUE OF WORK DONE DURING PERIOD								
2008–09	10 113.1	1 152.5	2 173.2	699.3	3 968.5	1 892.0	6 248.5	10.6
2009–10	9 493.1	1 215.1	3 327.0	712.8	4 129.3	2 328.5	6 764.0	14.7
2010–11	10 994.1	1 157.5	4 022.6	721.6	2 932.8	2 805.9	6 447.5	32.9
2010								
June	2 667.0	327.1	909.6	^ 114.8	1 153.6	742.1	1 691.9	^ 2.0
September	2 408.5	261.5	832.7	124.6	884.8	564.6	1 431.4	*3.5
December	2 496.3	441.2	904.4	^ 140.9	726.8	686.4	1 638.6	6.6
2011								
March	2 784.9	175.6	1 013.4	^ 138.5	576.6	577.0	1 607.3	^ 10.6
June	3 304.4	279.2	1 272.0	317.6	744.6	977.9	1 770.1	12.2
September	2 914.7	183.5	1 209.2	99.3	611.9	567.3	1 522.2	28.1
VALUE OF WORK YET TO BE DONE								
2008–09	5 599.1	857.3	1 403.6	943.6	2 628.9	1 312.9	1 118.8	0.5
2009–10	7 284.5	616.8	2 531.7	542.0	2 473.6	1 236.1	1 065.3	0.9
2010–11	7 289.1	441.7	1 966.6	191.4	1 649.5	1 770.5	1 440.4	19.8
2010								
June	7 284.5	616.8	2 531.7	542.0	2 473.6	1 236.1	1 065.3	*0.9
September	8 319.3	541.3	1 937.6	515.5	2 083.7	^ 1 851.6	1 135.5	^ 4.0
December	9 451.8	626.1	2 301.5	231.8	2 171.9	^ 1 849.8	1 343.9	25.3
2011								
March	8 226.2	^ 648.6	2 288.7	^ 435.5	1 810.0	^ 1 627.1	1 480.2	^ 25.5
June	7 289.1	441.7	1 966.6	191.4	1 649.5	1 770.5	1 440.4	19.8
September	6 971.8	444.5	2 156.2	138.7	1 996.0	^ 1 585.3	1 281.2	102.8

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* estimate has a relative standard error of 25% to 50% and should be used with caution

Period	Recreation $m	Telecom-munications $m	Oil, gas, coal and other minerals $m	Other heavy industry $m	Other $m	**Total** $m
VALUE OF WORK COMMENCED DURING PERIOD						
2008–09	865.1	66.6	193.3	10.1	365.1	**29 315.5**
2009–10	956.2	458.2	73.9	9.6	245.5	**28 970.5**
2010–11	1 192.0	48.8	64.0	6.6	120.2	**28 690.4**
2010						
June	264.0	19.7	^ 19.8	3.0	*25.0	**8 528.9**
September	257.3	25.2	**16.1	0.2	*20.5	**7 114.5**
December	^ 312.1	12.0	**47.5	2.4	*36.8	**8 221.7**
2011						
March	^ 253.5	5.6	—	0.2	*26.2	**6 892.3**
June	*369.1	6.0	0.4	**3.8	*36.7	**6 461.9**
September	264.3	^ 20.8	21.7	0.3	*53.3	**7 200.6**
VALUE OF WORK DONE DURING PERIOD						
2008–09	906.0	55.4	237.9	3.3	257.4	**27 717.8**
2009–10	1 088.3	180.7	166.2	8.9	239.7	**29 668.5**
2010–11	1 278.7	270.9	56.5	7.7	110.7	**30 839.4**
2010						
June	351.1	79.7	^ 24.2	5.2	*26.5	**8 094.9**
September	210.8	76.6	*15.9	2.0	*18.2	**6 835.1**
December	^ 290.2	89.4	*16.8	2.3	*11.2	**7 451.1**
2011						
March	^ 372.4	47.0	**14.9	0.3	*22.0	**7 340.6**
June	^ 405.4	57.9	9.0	**3.2	*59.3	**9 212.7**
September	^ 246.3	54.1	15.2	2.7	**17.5	**7 471.8**
VALUE OF WORK YET TO BE DONE						
2008–09	163.3	40.1	101.5	1.9	39.4	**14 210.9**
2009–10	246.1	301.9	8.6	4.0	38.0	**16 349.5**
2010–11	357.3	140.7	8.6	3.0	29.3	**15 307.7**
2010						
June	246.1	301.9	8.6	4.0	^ 38.0	**16 349.5**
September	333.6	272.8	1.1	2.1	^ 25.0	**17 023.2**
December	^ 390.8	197.3	**30.6	2.2	^ 28.5	**18 651.5**
2011						
March	^ 366.4	195.6	**16.5	2.2	^ 37.3	**17 159.6**
June	^ 357.3	140.7	8.6	^ 3.0	*29.3	**15 307.7**
September	^ 258.9	118.6	8.1	3.2	*43.7	**15 109.2**

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— nil or rounded to zero (including null cells)

17 ACTIVITY, By type: **Original**—New South Wales

Period	*Roads, highways and subdivisions* $m	*Bridges, railways and harbours* $m	*Electricity generation, transmission etc. and pipelines* $m	*Water storage and supply, sewerage and drainage* $m	*Telecom-munications* $m	*Heavy industry* $m	*Recreation and other* $m	***Total*** $m
VALUE OF WORK COMMENCED DURING PERIOD								
2008–09	3 192.0	2 005.1	3 592.1	1 335.6	1 295.7	3 101.2	1 118.6	**15 640.2**
2009–10	4 028.7	2 491.0	3 178.8	1 390.8	1 368.5	2 708.5	1 093.0	**16 259.4**
2010–11	5 782.4	2 656.7	3 716.2	1 402.9	1 067.2	3 128.0	1 178.1	**18 931.6**
2010								
June	1 306.4	1 011.8	755.4	^ 305.4	350.0	604.5	*317.8	**4 651.2**
September	1 873.6	479.6	761.4	^ 380.3	265.4	442.3	*388.0	**4 590.6**
December	1 852.6	610.3	903.1	377.0	240.9	628.2	*320.9	**4 932.9**
2011								
March	1 067.3	728.9	1 063.0	^ 310.1	272.4	414.2	*249.9	**4 105.8**
June	989.0	837.9	988.8	^ 335.6	288.5	1 643.2	^ 219.3	**5 302.3**
September	^ 909.6	708.1	941.1	^ 373.2	392.8	729.3	^ 390.3	**4 444.3**
VALUE OF WORK DONE DURING PERIOD								
2008–09	4 019.1	1 678.2	3 821.8	2 149.9	1 314.9	2 450.3	881.4	**16 315.8**
2009–10	3 377.1	2 604.5	3 411.3	1 898.2	1 327.8	2 574.4	988.4	**16 181.8**
2010–11	4 637.2	3 355.0	3 780.2	1 463.5	1 106.7	3 179.0	948.3	**18 469.9**
2010								
June	944.7	733.3	821.8	475.6	357.4	794.7	^ 273.7	**4 401.2**
September	858.0	636.6	854.3	339.3	254.6	667.6	^ 204.9	**3 815.4**
December	1 208.4	947.2	942.0	347.8	260.8	899.8	^ 254.3	**4 860.2**
2011								
March	1 175.0	781.4	968.5	347.4	280.9	653.3	^ 228.9	**4 435.3**
June	1 395.8	989.9	1 015.4	429.0	310.4	958.3	^ 260.2	**5 358.9**
September	1 334.5	806.2	996.6	268.1	351.7	937.7	^ 304.5	**4 999.3**
VALUE OF WORK YET TO BE DONE								
2008–09	1 031.8	1 495.7	830.2	916.5	64.9	1 862.2	103.5	**6 304.7**
2009–10	2 356.7	1 578.0	895.1	622.1	56.4	2 036.0	238.7	**7 783.0**
2010–11	3 181.2	1 231.0	936.0	614.1	77.5	2 271.5	157.8	**8 469.1**
2010								
June	2 356.7	1 578.0	895.1	^ 622.1	56.4	2 036.0	*238.7	**7 783.0**
September	3 199.0	1 011.0	978.0	^ 702.2	70.6	1 784.7	*251.1	**7 996.7**
December	3 919.3	1 245.0	919.1	^ 769.8	56.4	1 729.4	^ 207.2	**8 846.1**
2011								
March	3 600.6	1 229.0	991.0	^ 690.5	95.0	1 535.8	^ 159.9	**8 301.8**
June	3 181.2	1 231.0	936.0	^ 614.1	77.5	2 271.5	*157.8	**8 469.1**
September	2 874.5	1 145.4	989.3	^ 599.7	121.1	2 302.7	*194.5	**8 227.1**

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18 ACTIVITY, By type: **Original**—Victoria

Period	*Roads, highways and subdivisions* $m	*Bridges, railways and harbours* $m	*Electricity generation, transmission etc. and pipelines* $m	*Water storage and supply, sewerage and drainage* $m	*Telecom-munications* $m	*Heavy industry* $m	*Recreation and other* $m	***Total*** $m
VALUE OF WORK COMMENCED DURING PERIOD								
2008–09	1 726.8	698.2	1 354.6	1 722.6	1 278.5	1 100.5	741.9	**8 623.1**
2009–10	2 917.3	840.2	1 497.4	4 427.8	1 215.9	1 234.1	621.0	**12 753.9**
2010–11	2 632.5	880.7	2 461.3	1 109.7	1 058.6	713.3	691.9	**9 548.0**
2010								
June	978.6	532.1	376.9	*212.7	316.2	190.2	^ 123.5	**2 730.3**
September	^ 773.1	223.0	1 023.7	^ 252.2	240.1	188.4	^ 152.3	**2 852.7**
December	718.3	176.2	758.0	*273.5	209.7	291.8	^ 159.1	**2 586.6**
2011								
March	^ 684.9	236.9	325.5	*335.9	328.0	126.2	^ 147.6	**2 185.0**
June	^ 456.1	244.6	354.1	^ 248.2	280.8	106.9	^ 233.0	**1 923.7**
September	^ 433.6	230.1	263.9	^ 282.3	280.2	201.9	^ 208.0	**1 900.0**
VALUE OF WORK DONE DURING PERIOD								
2008–09	2 013.6	691.9	1 600.5	1 266.7	1 215.9	982.1	575.3	**8 346.0**
2009–10	1 889.9	720.1	1 704.1	2 215.1	1 215.8	1 201.3	592.3	**9 538.6**
2010–11	2 531.8	1 192.3	2 231.0	2 708.8	1 040.1	854.5	619.1	**11 177.5**
2010								
June	559.3	189.4	426.1	812.5	327.7	205.2	^ 149.9	**2 670.1**
September	^ 556.6	266.7	486.6	693.0	239.9	192.6	^ 122.1	**2 557.5**
December	^ 516.3	305.5	530.0	817.4	233.2	292.9	^ 129.5	**2 824.8**
2011								
March	772.3	275.7	542.4	601.2	250.7	170.6	^ 151.5	**2 764.3**
June	686.7	344.4	671.9	597.2	316.3	198.4	^ 216.0	**3 030.8**
September	^ 624.4	434.2	480.5	493.3	296.8	255.7	^ 189.6	**2 774.5**
VALUE OF WORK YET TO BE DONE								
2008–09	337.3	624.0	837.0	794.8	75.5	66.8	70.9	**2 806.3**
2009–10	1 908.2	694.2	691.5	3 249.6	60.2	65.5	72.7	**6 741.9**
2010–11	1 458.2	508.4	1 928.1	1 385.0	85.5	359.1	112.1	**5 836.3**
2010								
June	1 908.2	694.2	691.5	3 249.6	60.2	^ 65.5	^ 72.7	**6 741.9**
September	2 257.7	657.8	1 726.0	2 994.4	89.7	155.4	104.0	**7 985.0**
December	2 065.2	819.1	^ 2 128.5	^ 2 160.1	59.8	101.2	*145.7	**7 479.7**
2011								
March	2 300.4	580.3	2 319.8	^ 1 796.7	130.9	402.8	^ 126.2	**7 657.1**
June	1 458.2	508.4	1 928.1	1 385.0	85.5	359.1	*112.1	**5 836.3**
September	1 284.6	415.1	1 685.0	^ 1 218.4	97.1	394.7	^ 79.9	**5 174.9**

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19 ACTIVITY, By type: **Original**—Queensland

Period	*Roads, highways and subdivisions* $m	*Bridges, railways and harbours* $m	*Electricity generation, transmission etc. and pipelines* $m	*Water storage and supply, sewerage and drainage* $m	*Telecom-munications* $m	*Heavy industry* $m	*Recreation and other* $m	***Total*** $m
VALUE OF WORK COMMENCED DURING PERIOD								
2008–09	9 671.4	1 177.1	2 641.1	2 485.7	620.4	4 674.8	860.8	**22 131.3**
2009–10	3 185.6	1 782.0	2 347.7	2 025.5	662.4	6 932.5	689.2	**17 625.0**
2010–11	3 266.5	1 773.0	3 745.1	2 472.4	701.2	18 291.6	813.0	**31 062.8**
2010								
June	^ 719.9	862.0	557.5	451.7	147.6	1 237.8	^ 186.3	**4 162.8**
September	633.8	232.8	525.5	^ 937.2	161.1	1 320.7	^ 228.6	**4 039.8**
December	1 169.4	768.9	2 021.9	952.2	195.4	12 278.1	^ 174.2	**17 560.1**
2011								
March	614.3	^ 616.9	565.5	*225.5	145.7	2 211.6	^ 196.4	**4 575.8**
June	849.0	^ 154.5	632.1	357.5	199.0	2 481.2	*213.8	**4 887.1**
September	932.9	620.6	1 607.1	268.0	171.9	14 837.5	^ 292.9	**18 730.8**
VALUE OF WORK DONE								
2008–09	6 087.5	1 643.2	3 206.0	2 547.5	648.7	6 117.6	818.5	**21 068.9**
2009–10	5 593.6	1 474.6	2 700.3	1 969.3	563.3	6 569.5	707.1	**19 577.7**
2010–11	4 991.2	1 754.1	2 637.5	2 757.0	729.8	9 995.6	953.6	**23 818.9**
2010								
June	1 290.1	321.7	610.6	586.4	171.8	1 719.2	^ 207.7	**4 907.4**
September	1 353.1	282.4	513.2	643.0	174.0	1 969.4	^ 210.7	**5 145.7**
December	1 210.2	474.4	709.7	620.9	171.4	2 083.6	^ 233.7	**5 503.9**
2011								
March	1 078.4	384.8	647.3	^ 540.5	157.2	2 470.5	*275.1	**5 553.9**
June	1 349.5	612.5	767.4	952.6	227.3	3 472.1	^ 234.1	**7 615.4**
September	1 537.0	342.8	540.9	640.8	184.7	4 086.9	^ 233.7	**7 566.8**
VALUE OF WORK YET TO BE DONE								
2008–09	6 842.8	932.7	760.5	880.1	19.4	3 924.4	85.0	**13 445.0**
2009–10	4 637.1	1 414.3	582.0	1 328.9	109.5	4 379.9	188.7	**12 640.4**
2010–11	3 910.5	1 456.6	1 490.7	2 235.5	85.2	15 485.4	287.3	**24 951.1**
2010								
June	4 637.1	1 414.3	582.0	^ 1 328.9	109.5	4 379.9	188.7	**12 640.4**
September	4 104.6	1 406.4	613.8	1 628.3	91.0	3 824.4	245.8	**11 914.3**
December	4 600.0	1 584.4	1 670.0	2 379.4	110.8	15 033.3	184.9	**25 562.8**
2011								
March	3 817.6	2 128.9	1 605.6	1 989.1	114.5	15 231.9	187.3	**25 074.9**
June	3 910.5	1 456.6	1 490.7	2 235.5	85.2	15 485.4	^ 287.3	**24 951.1**
September	3 429.9	1 711.4	2 589.4	2 223.3	147.6	27 299.4	251.7	**37 652.7**

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

* estimate has a relative standard error of 25% to 50% and should be used with caution

20 ACTIVITY, By type: **Original**—South Australia

Period	*Roads, highways and subdivisions* $m	*Bridges, railways and harbours* $m	*Electricity generation, transmission etc. and pipelines* $m	*Water storage and supply, sewerage and drainage* $m	*Telecom-munications* $m	*Heavy industry* $m	*Recreation and other* $m	***Total*** $m
VALUE OF WORK COMMENCED DURING PERIOD								
2008–09	1 214.4	275.8	1 050.8	1 897.4	233.8	553.7	172.0	**5 397.7**
2009–10	863.3	434.9	878.2	464.3	216.4	587.5	435.6	**3 880.3**
2010–11	1 537.3	351.6	897.2	365.4	410.4	573.0	308.5	**4 443.5**
2010								
June	249.6	162.5	285.7	188.8	58.2	245.5	^ 107.0	**1 297.3**
September	^ 156.1	30.0	164.7	63.9	115.2	104.2	^ 67.4	**701.4**
December	692.2	147.3	241.5	*107.6	85.2	156.8	^ 104.3	**1 534.9**
2011								
March	^ 349.4	75.1	217.0	83.1	89.7	139.4	^ 55.3	**1 009.0**
June	339.6	99.2	274.1	110.8	120.3	172.7	^ 81.5	**1 198.2**
September	193.9	101.2	236.4	*215.2	68.9	145.6	^ 85.7	**1 046.9**
VALUE OF WORK DONE DURING PERIOD								
2008–09	1 143.4	197.6	743.6	554.2	224.7	593.0	161.6	**3 618.0**
2009–10	971.2	462.5	1 082.3	1 175.3	198.2	485.6	323.7	**4 698.9**
2010–11	1 145.3	335.9	1 102.4	556.8	419.0	751.3	359.1	**4 669.9**
2010								
June	284.3	121.6	272.2	332.0	63.1	127.2	^ 101.3	**1 301.7**
September	186.1	77.8	205.2	119.1	116.6	123.3	^ 71.2	**899.2**
December	^ 253.7	67.5	339.8	126.9	91.8	187.4	^ 82.5	**1 149.6**
2011								
March	332.6	56.5	250.0	121.7	87.8	180.2	^ 84.3	**1 113.1**
June	373.0	134.2	307.4	189.0	122.9	260.4	^ 121.1	**1 507.9**
September	231.9	108.6	231.2	^ 173.5	73.2	198.0	^ 66.4	**1 082.7**
VALUE OF WORK YET TO BE DONE								
2008–09	194.3	194.1	527.5	1 262.8	7.5	351.8	18.7	**2 556.7**
2009–10	120.6	142.6	276.6	611.0	19.7	404.0	23.9	**1 598.3**
2010–11	536.9	147.0	73.8	327.1	10.6	341.2	50.7	**1 487.4**
2010								
June	^ 120.6	142.6	276.6	611.0	19.7	404.0	^ 23.9	**1 598.3**
September	^ 160.8	94.8	243.4	481.5	17.6	400.2	^ 35.2	**1 433.6**
December	617.2	176.3	191.2	453.8	10.5	475.5	^ 57.5	**1 982.1**
2011								
March	588.5	205.9	193.5	419.6	12.3	336.8	*74.7	**1 831.3**
June	536.9	147.0	73.8	327.1	10.6	341.2	*50.7	**1 487.4**
September	441.4	129.4	59.3	^ 379.1	7.1	270.4	*41.8	**1 328.5**

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

* estimate has a relative standard error of 25% to 50% and should be used with caution

21 ACTIVITY, By type: **Original**—Western Australia

Period	*Roads, highways and subdivisions* $m	*Bridges, railways and harbours* $m	*Electricity generation, transmission etc. and pipelines* $m	*Water storage and supply, sewerage and drainage* $m	*Telecom-munications* $m	*Heavy industry* $m	*Recreation and other* $m	***Total*** $m
VALUE OF WORK COMMENCED DURING PERIOD								
2008–09	2 729.4	2 891.2	3 069.4	1 007.4	344.7	7 107.5	1 833.1	**18 982.7**
2009–10	1 913.8	3 231.1	5 706.8	1 698.5	299.1	41 405.5	883.1	**55 137.9**
2010–11	2 311.1	7 012.5	1 563.8	603.2	359.2	17 334.6	722.8	**29 907.2**
2010								
June	598.7	121.6	779.8	*277.0	81.9	591.4	^192.5	**2 642.9**
September	496.7	1 652.3	384.4	^190.1	71.5	2 458.1	^139.7	**5 392.9**
December	862.9	3 759.1	381.2	*178.7	67.0	9 186.8	^139.9	**14 575.6**
2011								
March	382.5	476.1	399.9	^152.7	114.6	792.8	321.8	**2 640.5**
June	568.9	1 124.9	398.3	*81.6	106.1	4 896.9	^121.4	**7 298.2**
September	598.5	638.8	354.2	727.1	89.8	7 214.2	^153.3	**9 775.9**
VALUE OF WORK DONE DURING PERIOD								
2008–09	2 596.3	2 266.5	2 417.2	667.8	336.9	13 384.3	995.2	**22 664.2**
2009–10	2 161.3	2 723.5	2 641.5	1 060.1	285.8	13 283.2	1 302.8	**23 458.2**
2010–11	2 212.2	3 879.7	2 294.3	1 323.7	338.2	14 480.7	660.5	**25 189.4**
2010								
June	657.8	831.8	640.9	376.8	88.5	3 721.3	^229.9	**6 547.1**
September	479.9	798.5	423.2	396.5	75.0	3 159.7	200.2	**5 533.0**
December	632.4	1 075.7	569.6	^347.5	75.3	3 865.1	174.9	**6 740.5**
2011								
March	518.9	936.4	560.0	^318.2	69.3	3 548.6	^130.3	**6 081.6**
June	581.1	1 069.1	741.6	^261.5	118.6	3 907.3	^155.1	**6 834.3**
September	458.7	1 980.8	659.0	^269.5	90.0	7 017.3	^159.2	**10 634.4**
VALUE OF WORK YET TO BE DONE								
2008–09	770.7	2 364.2	1 268.2	590.5	30.8	14 612.6	941.0	**20 578.0**
2009–10	498.4	3 411.3	4 178.1	997.5	23.7	42 931.3	697.3	**52 737.5**
2010–11	618.1	7 231.3	4 066.9	558.0	49.1	52 051.2	116.0	**64 690.8**
2010								
June	498.4	3 411.3	4 178.1	997.5	23.7	42 931.3	697.3	**52 737.5**
September	448.2	4 329.8	4 260.8	^789.1	18.7	42 303.5	646.5	**52 796.5**
December	848.5	7 431.7	4 380.0	^825.1	16.6	52 455.9	96.3	**66 054.2**
2011								
March	411.2	7 222.2	4 341.6	^646.3	55.5	50 057.1	319.5	**63 053.5**
June	618.1	7 231.3	4 066.9	558.0	49.1	52 051.2	116.0	**64 690.8**
September	657.4	10 486.0	3 693.8	872.3	52.0	49 717.2	181.7	**65 660.5**

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

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22 ACTIVITY, By type: **Original**—Tasmania

Period	*Roads, highways and subdivisions* $m	*Bridges, railways and harbours* $m	*Electricity generation, transmission etc. and pipelines* $m	*Water storage and supply, sewerage and drainage* $m	*Telecom-munications* $m	*Heavy industry* $m	*Recreation and other* $m	***Total*** $m
VALUE OF WORK COMMENCED DURING PERIOD								
2008–09	191.7	25.9	634.9	142.8	79.9	105.3	110.1	**1 290.6**
2009–10	272.1	41.5	297.8	95.2	69.6	59.0	83.7	**918.9**
2010–11	214.3	30.9	221.6	118.8	80.1	84.3	72.8	**822.7**
2010								
June	32.7	^ 4.2	79.2	*41.0	19.0	13.7	*9.6	**199.3**
September	41.3	^ 5.6	71.3	29.5	29.2	21.3	*17.9	**216.0**
December	40.3	^ 6.6	51.5	32.0	14.3	10.6	*18.9	**174.1**
2011								
March	49.9	^ 10.8	44.5	^ 21.2	13.5	32.2	^ 15.5	**187.7**
June	82.8	^ 7.9	54.3	^ 36.1	23.1	20.2	^ 20.4	**244.9**
September	41.5	^ 5.4	32.9	49.2	16.6	22.9	^ 13.1	**181.6**
VALUE OF WORK DONE DURING PERIOD								
2008–09	202.9	28.4	390.3	130.1	80.4	87.0	81.1	**1 000.1**
2009–10	187.6	31.8	384.9	148.4	66.5	61.3	83.6	**964.0**
2010–11	266.2	47.2	248.3	140.3	85.5	92.6	79.7	**959.8**
2010								
June	62.0	^ 11.7	89.1	^ 38.7	19.5	13.3	*18.1	**252.2**
September	50.3	^ 8.8	57.6	30.5	28.2	14.6	*16.1	**206.2**
December	64.9	^ 9.1	69.5	28.5	18.7	30.3	*17.1	**238.2**
2011								
March	79.4	^ 11.9	60.2	30.3	14.9	19.2	*21.5	**237.4**
June	71.7	^ 17.5	61.0	51.0	23.7	28.4	^ 24.9	**278.1**
September	^ 46.9	^ 9.7	42.4	^ 42.6	16.1	15.3	^ 11.6	**184.5**
VALUE OF WORK YET TO BE DONE								
2008–09	19.3	2.7	562.2	34.4	—	43.8	31.7	**694.1**
2009–10	87.1	15.5	478.8	142.6	2.7	51.1	8.7	**786.6**
2010–11	63.6	5.9	470.7	107.5	1.3	35.5	6.3	**690.8**
2010								
June	87.1	^ 15.5	478.8	142.6	2.7	51.1	*8.7	**786.6**
September	100.0	12.1	513.6	253.5	3.7	36.3	*10.2	**929.6**
December	70.0	^ 9.5	489.1	129.1	1.6	16.2	**11.6	**727.1**
2011								
March	44.6	11.3	476.9	120.9	0.3	40.2	^ 11.5	**705.7**
June	63.6	^ 5.9	470.7	107.5	1.3	35.5	^ 6.3	**690.8**
September	71.8	*10.7	461.2	132.5	2.8	42.0	^ 5.7	**726.8**

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** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

23 ACTIVITY, By type: **Original**—Northern Territory

Period	*Roads, highways and subdivisions* $m	*Bridges, railways and harbours* $m	*Electricity generation, transmission etc. and pipelines* $m	*Water storage and supply, sewerage and drainage* $m	*Telecom-munications* $m	*Heavy industry* $m	*Recreation and other* $m	***Total*** $m
VALUE OF WORK COMMENCED DURING PERIOD								
2008–09	201.2	20.2	36.7	66.8	100.9	1 280.0	92.8	**1 798.7**
2009–10	90.5	20.5	19.8	57.1	188.9	1 059.2	103.0	**1 539.1**
2010–11	106.6	50.2	12.6	69.4	50.1	296.5	103.8	**689.3**
2010								
June	*21.1	*0.6	3.0	*25.1	21.3	654.9	32.9	**758.7**
September	^ 32.0	12.5	3.2	^ 18.8	23.7	74.9	19.4	**184.5**
December	35.6	3.8	4.3	*23.3	8.0	35.7	^ 17.0	**127.8**
2011								
March	*18.7	6.6	3.0	*9.2	9.0	*127.7	^ 25.9	^ **200.0**
June	20.3	27.4	2.2	18.1	9.4	58.2	41.4	**177.0**
September	41.4	25.5	^ 34.4	^ 12.7	9.8	^ 98.3	31.1	**253.1**
VALUE OF WORK DONE DURING PERIOD								
2008–09	124.7	55.8	110.2	66.7	101.0	2 109.6	89.2	**2 657.2**
2009–10	151.8	31.4	25.4	54.6	97.9	704.2	104.0	**1 169.2**
2010–11	171.2	27.4	20.0	66.3	103.7	420.7	118.6	**927.8**
2010								
June	^ 37.4	7.2	3.0	*21.6	33.2	178.9	27.8	**309.1**
September	^ 49.5	5.5	3.9	*17.5	29.5	105.2	23.8	**234.9**
December	46.2	9.2	2.6	^ 26.7	33.1	88.9	^ 23.8	**230.5**
2011								
March	^ 29.0	4.7	5.2	^ 8.4	19.4	^ 143.9	^ 28.0	**238.6**
June	46.5	8.0	8.3	^ 13.7	21.7	^ 82.6	43.0	**223.8**
September	47.3	12.8	^ 18.4	23.9	23.2	^ 136.4	31.2	**293.2**
VALUE OF WORK YET TO BE DONE								
2008–09	96.7	19.8	7.4	2.2	0.2	364.2	5.8	**496.4**
2009–10	45.5	5.2	4.2	8.4	90.8	487.5	14.6	**656.3**
2010–11	46.4	22.2	18.6	26.1	33.9	188.2	1.9	**337.3**
2010								
June	45.5	5.2	4.2	8.4	90.8	487.5	^ 14.6	**656.3**
September	39.3	13.3	3.4	25.2	83.1	476.6	^ 13.9	**654.8**
December	28.8	7.6	28.2	^ 26.8	56.7	^ 508.3	^ 6.9	^ **663.4**
2011								
March	53.9	8.4	^ 25.2	15.5	46.2	^ 426.1	^ 5.9	^ **581.2**
June	^ 46.4	22.2	18.6	26.1	33.9	188.2	1.9	**337.3**
September	40.3	32.4	33.9	20.5	18.6	151.6	2.0	**299.3**

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* estimate has a relative standard error of 25% to 50% and should be used with caution

24 ACTIVITY, By type: **Original**—Australian Capital Territory

Period	*Roads, highways and subdivisions* $m	*Bridges, railways and harbours* $m	*Electricity generation, transmission etc. and pipelines* $m	*Water storage and supply, sewerage and drainage* $m	*Telecom-munications* $m	*Heavy industry* $m	*Recreation and other* $m	***Total*** $m
VALUE OF WORK COMMENCED DURING PERIOD								
2008–09	83.3	7.9	140.0	264.8	66.0	0.3	44.9	**607.1**
2009–10	42.5	0.6	65.3	368.5	80.9	0.1	24.9	**582.8**
2010–11	260.0	0.1	98.5	56.4	77.1	0.5	32.8	**525.4**
2010								
June	14.2	0.3	10.5	17.2	19.5	—	*4.6	**66.4**
September	*17.4	—	41.8	^5.6	18.0	—	*4.7	**87.6**
December	*147.8	0.1	18.5	**10.1	17.4	0.5	*5.9	***200.3**
2011								
March	^50.2	—	18.4	*4.1	24.5	—	^12.8	^**110.0**
June	*44.6	—	19.7	^36.7	17.1	—	**9.4	^**127.5**
September	*41.4	0.3	35.4	^8.7	22.8	0.2	^11.8	^**120.6**
VALUE OF WORK DONE DURING PERIOD								
2008–09	82.6	7.8	63.2	100.7	66.9	0.1	42.5	**363.8**
2009–10	27.4	0.5	83.3	188.5	81.5	0.1	23.0	**404.3**
2010–11	228.8	0.1	113.9	320.5	78.1	0.4	27.1	**768.9**
2010								
June	14.4	0.3	23.5	66.2	19.7	—	*4.1	**128.2**
September	*26.1	—	24.4	90.0	18.1	—	*4.6	**163.3**
December	*57.0	0.1	44.5	66.9	17.4	0.4	*5.8	^**192.2**
2011								
March	*72.2	—	16.3	76.8	23.8	—	^12.8	^**202.0**
June	*73.5	—	28.6	86.8	18.8	—	*3.8	**211.5**
September	*64.4	0.1	24.9	^79.6	25.3	0.1	^8.4	^**202.8**
VALUE OF WORK YET TO BE DONE								
2008–09	8.2	—	9.6	164.8	1.1	—	1.9	**185.6**
2009–10	11.5	0.3	10.7	417.4	0.5	—	0.9	**441.3**
2010–11	87.8	—	6.9	297.4	3.4	—	6.2	**401.7**
2010								
June	11.5	0.3	10.7	417.4	0.5	—	0.9	**441.3**
September	*36.3	—	19.0	473.0	0.4	—	*0.1	**528.8**
December	*194.0	—	13.9	418.1	0.3	0.1	—	^**626.4**
2011								
March	*134.3	—	9.1	345.4	3.8	—	0.2	**492.7**
June	*87.8	—	6.9	297.4	3.4	—	**6.2	**401.7**
September	*50.6	0.2	22.0	232.2	2.8	—	^3.6	**311.3**

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— nil or rounded to zero (including null cells)

25 VALUE OF WORK DONE BY THE PRIVATE SECTOR, States and territories: **Original**

Period	NSW $m	Vic. $m	Qld $m	SA $m	WA $m	Tas. $m	NT $m	ACT $m	**Aust.** $m
BY THE PRIVATE SECTOR FOR THE PRIVATE SECTOR									
2008–09	6 905.4	5 339.0	11 602.1	1 888.7	19 449.0	441.3	2 473.9	216.8	**48 316.2**
2009–10	6 143.9	6 370.8	10 914.4	2 089.5	19 379.7	286.0	936.9	203.2	**46 324.3**
2010–11	7 439.3	6 834.6	15 271.9	2 441.3	21 941.1	308.1	650.1	256.2	**55 142.6**
2010									
June	1 677.2	1 744.0	2 706.5	533.6	5 401.3	70.2	236.7	52.6	**12 422.1**
September	1 472.9	1 653.1	3 083.4	486.3	4 740.8	61.5	162.5	59.8	**11 720.2**
December	2 229.3	1 896.2	3 367.6	634.7	5 861.5	83.8	139.3	76.3	**14 288.8**
2011									
March	1 678.6	1 560.6	3 773.2	592.8	5 364.1	69.3	^ 190.4	56.7	**13 285.6**
June	2 058.5	1 724.6	5 047.7	727.4	5 974.8	93.5	158.0	63.5	**15 848.0**
September	2 025.0	1 719.4	5 615.6	503.1	10 018.8	^ 76.0	^ 226.5	^ 82.0	**20 266.4**
BY THE PRIVATE SECTOR FOR THE PUBLIC SECTOR									
2008–09	3 863.4	2 231.4	5 458.8	847.7	1 491.3	154.4	166.9	147.0	**14 360.8**
2009–10	4 022.6	2 503.7	4 484.6	1 486.6	1 573.2	257.3	219.7	201.1	**14 748.9**
2010–11	4 147.6	3 712.4	4 430.5	1 188.2	1 127.9	309.4	266.7	512.7	**15 695.4**
2010									
June	1 033.1	727.2	1 024.9	388.4	^ 416.2	77.7	^ 69.9	75.6	**3 812.9**
September	892.4	813.2	1 133.4	252.7	312.0	72.3	^ 71.1	103.5	**3 650.7**
December	1 026.1	787.1	1 064.0	288.1	334.1	76.2	86.8	^ 115.9	**3 778.2**
2011									
March	1 022.5	1 052.2	877.0	276.6	228.2	76.9	45.5	^ 145.3	**3 724.2**
June	1 206.6	1 059.9	1 356.1	370.7	253.5	84.0	63.3	^ 148.0	**4 542.3**
September	1 222.3	944.8	1 075.7	^ 306.2	^ 231.1	54.1	63.6	^ 120.7	**4 018.6**
TOTAL BY THE PRIVATE SECTOR									
2008–09	10 768.8	7 570.4	17 060.8	2 736.4	20 940.3	595.7	2 640.8	363.8	**62 676.9**
2009–10	10 166.5	8 874.5	15 399.0	3 576.1	20 952.9	543.3	1 156.6	404.3	**61 073.2**
2010–11	11 586.9	10 547.0	19 702.3	3 629.5	23 069.0	617.5	916.8	768.9	**70 838.0**
2010									
June	2 710.3	2 471.2	3 731.4	922.0	5 817.5	147.9	306.6	128.2	**16 235.0**
September	2 365.3	2 466.3	4 216.8	739.1	5 052.8	133.8	233.5	163.3	**15 370.9**
December	3 255.4	2 683.3	4 431.6	922.8	6 195.7	159.9	226.1	^ 192.2	**18 067.0**
2011									
March	2 701.1	2 612.8	4 650.1	869.4	5 592.3	146.2	235.9	^ 202.0	**17 009.8**
June	3 265.1	2 784.6	6 403.8	1 098.1	6 228.3	177.6	221.3	211.5	**20 390.2**
September	3 247.3	2 664.3	6 691.3	809.3	10 249.9	130.1	290.1	^ 202.8	**24 285.0**

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

26 VALUE OF WORK DONE BY THE PUBLIC SECTOR(a), States and territories: **Original**

Period	NSW $m	Vic. $m	Qld $m	SA $m	WA $m	Tas. $m	NT $m	ACT $m	**Aust.** $m
TOTAL BY COMMONWEALTH GOVERNMENT									
2008–09	—	—	0.6	3.2	1.3	0.6	—	—	**5.8**
2009–10	—	—	—	20.5	—	0.2	—	—	**20.6**
2010–11	—	—	—	15.6	—	—	—	—	**15.6**
2010									
June	—	—	—	7.0	—	—	—	—	**7.0**
September	—	—	—	4.2	—	—	—	—	**4.2**
December	—	—	—	2.7	—	—	—	—	**2.7**
2011									
March	—	—	—	3.7	—	—	—	—	**3.7**
June	—	—	—	5.0	—	—	—	—	**5.0**
September	—	—	—	—	—	—	—	—	—
TOTAL BY STATE AND TERRITORY GOVERNMENT									
2008–09	4 173.2	443.9	2 377.5	669.5	1 321.0	279.7	—	—	**9 264.8**
2009–10	4 639.6	323.5	2 419.0	906.7	1 982.1	299.4	—	—	**10 570.3**
2010–11	5 546.7	245.5	2 235.5	827.2	1 506.4	209.7	—	—	**10 571.0**
2010									
June	1 278.0	60.2	631.3	313.0	520.1	78.8	—	—	**2 881.3**
September	1 199.4	44.0	531.1	124.3	394.3	45.9	—	—	**2 339.1**
December	1 268.5	55.0	599.9	179.4	375.6	49.3	—	—	**2 527.7**
2011									
March	1 430.0	49.5	480.6	195.1	346.9	54.3	—	—	**2 556.4**
June	1 648.8	97.0	623.9	328.3	389.6	60.2	—	—	**3 147.8**
September	1 455.4	47.0	455.2	226.3	278.0	39.3	—	—	**2 501.2**
BY LOCAL GOVERNMENT AUTHORITIES									
2008–09	1 373.8	331.8	1 629.9	208.9	401.6	124.1	16.5	—	**4 086.5**
2009–10	1 375.7	340.6	1 759.8	195.6	523.2	121.2	12.6	—	**4 328.6**
2010–11	1 336.3	384.9	1 881.0	197.7	614.0	132.6	10.9	—	**4 557.5**
2010									
June	413.0	138.8	544.7	^ 59.7	^ 209.5	*25.6	2.5	—	**1 393.8**
September	250.7	47.2	397.8	^ 31.6	^ 85.8	*26.4	1.4	—	**841.1**
December	336.4	86.5	^ 472.4	^ 44.6	^ 169.3	^ 28.9	4.3	—	**1 142.4**
2011									
March	^ 304.2	^ 102.0	^ 423.1	^ 44.9	142.5	*36.9	2.7	—	**1 056.4**
June	444.9	149.2	587.7	76.5	^ 216.4	^ 40.4	2.5	—	**1 517.7**
September	^ 296.7	63.3	420.2	^ 47.1	^ 106.5	^ 15.2	^ 3.1	—	**952.0**
TOTAL BY THE PUBLIC SECTOR									
2008–09	5 547.0	775.6	4 008.1	881.6	1 723.9	404.4	16.5	—	**13 357.0**
2009–10	6 015.3	664.1	4 178.8	1 122.7	2 505.3	420.7	12.6	—	**14 919.6**
2010–11	6 883.0	630.5	4 116.6	1 040.4	2 120.4	342.3	10.9	—	**15 144.0**
2010									
June	1 691.0	199.0	1 176.0	379.7	729.6	104.3	2.5	—	**4 282.0**
September	1 450.1	91.3	928.9	160.1	480.2	^ 72.4	1.4	—	**3 184.4**
December	1 604.9	141.5	1 072.3	226.8	544.9	78.2	4.3	—	**3 672.8**
2011									
March	1 734.2	151.5	903.7	243.7	489.4	^ 91.2	2.7	—	**3 616.4**
June	2 093.8	246.2	1 211.6	409.8	606.0	100.5	2.5	—	**4 670.4**
September	1 752.0	110.2	875.5	273.4	384.5	54.5	^ 3.1	—	**3 453.2**

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

* estimate has a relative standard error of 25% to 50% and should be used with caution

— nil or rounded to zero (including null cells)

(a) Includes construction work done by public sector organisations with their own workforce only. All work contracted out by public sector organisations to the private sector appears in 'By private for public sector' totals.

27 VALUE OF WORK DONE FOR THE PUBLIC SECTOR(a), States and territories: **Original**

Period	NSW $m	Vic. $m	Qld $m	SA $m	WA $m	Tas. $m	NT $m	ACT $m	**Aust.** $m
BY THE PRIVATE SECTOR FOR THE PUBLIC SECTOR									
2008–09	3 863.4	2 231.4	5 458.8	847.7	1 491.3	154.4	166.9	147.0	**14 360.8**
2009–10	4 022.6	2 503.7	4 484.6	1 486.6	1 573.2	257.3	219.7	201.1	**14 748.9**
2010–11	4 147.6	3 712.4	4 430.5	1 188.2	1 127.9	309.4	266.7	512.7	**15 695.4**
2010									
June	1 033.1	727.2	1 024.9	388.4	^ 416.2	77.7	^ 69.9	75.6	**3 812.9**
September	892.4	813.2	1 133.4	252.7	312.0	72.3	^ 71.1	103.5	**3 650.7**
December	1 026.1	787.1	1 064.0	288.1	334.1	76.2	86.8	^ 115.9	**3 778.2**
2011									
March	1 022.5	1 052.2	877.0	276.6	228.2	76.9	45.5	^ 145.3	**3 724.2**
June	1 206.6	1 059.9	1 356.1	370.7	253.5	84.0	63.3	^ 148.0	**4 542.3**
September	1 222.3	944.8	1 075.7	^ 306.2	^ 231.1	54.1	63.6	^ 120.7	**4 018.6**
TOTAL BY THE PUBLIC SECTOR									
2008–09	5 547.0	775.6	4 008.1	881.6	1 723.9	404.4	16.5	—	**13 357.0**
2009–10	6 015.3	664.1	4 178.8	1 122.7	2 505.3	420.7	12.6	—	**14 919.6**
2010–11	6 883.0	630.5	4 116.6	1 040.4	2 120.4	342.3	10.9	—	**15 144.0**
2010									
June	1 691.0	199.0	1 176.0	379.7	729.6	104.3	2.5	—	**4 282.0**
September	1 450.1	91.3	928.9	160.1	480.2	^ 72.4	1.4	—	**3 184.4**
December	1 604.9	141.5	1 072.3	226.8	544.9	78.2	4.3	—	**3 672.8**
2011									
March	1 734.2	151.5	903.7	243.7	489.4	^ 91.2	2.7	—	**3 616.4**
June	2 093.8	246.2	1 211.6	409.8	606.0	100.5	2.5	—	**4 670.4**
September	1 752.0	110.2	875.5	273.4	384.5	54.5	^ 3.1	—	**3 453.2**
TOTAL FOR THE PUBLIC SECTOR									
2008–09	9 410.4	3 007.0	9 466.8	1 729.3	3 215.2	558.8	183.3	147.0	**27 717.8**
2009–10	10 037.9	3 167.8	8 663.4	2 609.4	4 078.5	678.0	232.4	201.1	**29 668.5**
2010–11	11 030.6	4 342.9	8 547.0	2 228.6	3 248.3	651.7	277.7	512.7	**30 839.4**
2010									
June	2 724.0	926.1	2 200.9	768.1	1 145.7	182.0	^ 72.4	75.6	**8 094.9**
September	2 342.6	904.4	2 062.4	412.9	792.2	144.6	^ 72.4	103.5	**6 835.1**
December	2 631.0	928.6	2 136.3	514.8	879.0	154.4	91.2	^ 115.9	**7 451.1**
2011									
March	2 756.7	1 203.7	1 780.7	520.3	717.6	168.1	48.3	^ 145.3	**7 340.6**
June	3 300.4	1 306.2	2 567.7	780.5	859.5	184.6	65.8	^ 148.0	**9 212.7**
September	2 974.4	1 055.1	1 951.2	579.6	615.6	108.6	66.7	^ 120.7	**7 471.8**

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

— nil or rounded to zero (including null cells)

(a) Excludes construction work done for the public sector where the asset will be owned by the private sector on completion of the project. See paragraph 10 of the Explanatory Notes for further information.

28 RELATIVE STANDARD ERRORS, By sector—Australia

BY THE PRIVATE SECTOR

	For the private sector	*For the public sector*	*Total*	*By the public sector*	*Total for the public sector*(a)	***Total***
	%	%	%	%	%	%
VALUE OF WORK COMMENCED						
Roads, highways and subdivisions	10.8	6.7	5.9	3.1	3.9	**4.1**
Bridges	47.6	29.4	28.2	2.8	18.6	**19.0**
Railways	1.6	0.9	1.1	—	0.5	**0.8**
Harbours	15.5	37.6	13.7	0.4	33.9	**13.4**
Water storage and supply	10.9	23.2	16.9	1.8	8.0	**7.3**
Sewerage and drainage	28.3	31.2	21.6	9.5	15.0	**13.5**
Electricity generation, transmission and distribution	6.5	5.1	5.1	—	0.8	**2.1**
Pipelines	1.2	0.8	1.2	53.4	2.6	**1.2**
Recreation	13.4	21.2	11.8	5.6	8.6	**9.4**
Telecommunications	1.2	25.2	1.2	—	23.8	**1.2**
Oil, gas, coal and other minerals	0.2	20.3	0.2	—	3.2	**0.2**
Other heavy industry	1.2	—	1.2	—	—	**1.2**
Other	20.6	40.2	20.5	—	39.9	**20.5**
Total	0.6	4.4	0.7	1.2	1.9	**0.7**
VALUE OF WORK DONE						
Roads, highways and subdivisions	6.2	4.4	3.5	3.5	3.3	**2.9**
Bridges	44.3	10.1	12.2	2.7	7.7	**9.7**
Railways	1.1	1.1	1.0	—	0.6	**0.8**
Harbours	2.0	8.0	1.9	0.1	7.6	**1.9**
Water storage and supply	8.4	12.1	7.5	3.1	6.6	**5.8**
Sewerage and drainage	21.9	12.7	11.7	9.3	8.7	**9.0**
Electricity generation, transmission and distribution	2.6	4.5	2.3	—	0.8	**1.2**
Pipelines	1.5	0.2	1.4	47.9	0.6	**1.4**
Recreation	11.3	24.7	10.6	5.8	10.7	**8.5**
Telecommunications	0.6	9.2	0.7	—	9.0	**0.7**
Oil, gas, coal and other minerals	0.3	10.0	0.3	—	1.6	**0.3**
Other heavy industry	1.9	—	1.9	47.0	8.6	**1.9**
Other	10.3	66.4	11.3	—	64.5	**11.3**
Total	0.7	2.5	0.8	1.3	1.4	**0.7**
VALUE OF WORK YET TO BE DONE						
Roads, highways and subdivisions	3.0	1.2	1.1	2.3	1.1	**1.0**
Bridges	22.0	5.2	6.1	0.7	4.1	**5.0**
Railways	0.2	1.7	0.4	—	1.4	**0.4**
Harbours	0.5	1.2	0.5	30.1	2.8	**0.5**
Water storage and supply	0.3	6.2	2.3	5.5	4.5	**2.3**
Sewerage and drainage	18.3	25.1	20.3	7.3	12.9	**11.7**
Electricity generation, transmission and distribution	1.7	1.9	1.4	—	0.8	**1.2**
Pipelines	0.3	—	0.3	75.2	1.2	**0.3**
Recreation	22.2	27.0	18.1	1.8	10.2	**10.7**
Telecommunications	0.7	—	0.5	—	—	**0.5**
Oil, gas, coal and other minerals	0.1	17.3	0.1	—	5.7	**0.1**
Other heavy industry	0.8	—	0.8	—	—	**0.8**
Other	16.0	29.3	16.1	—	29.2	**16.1**
Total	0.1	2.0	0.2	2.0	1.6	**0.3**

— nil or rounded to zero (including null cells)

(a) Includes work done by the private sector for the public sector and work done by the public sector.

29 RELATIVE STANDARD ERRORS, States and territories, By type of work

	Roads, highways and subdivisions	*Bridges, railways and harbours*	*Electricity generation, transmission etc. and pipelines*	*Water storage and supply, sewerage and drainage*	*Telecom-munications*	*Heavy industry*	*Recreation and other*	***Total***
	%	%	%	%	%	%	%	%
VALUE OF WORK COMMENCED								
NSW	10.2	5.2	1.5	10.4	3.2	1.1	21.4	**3.2**
Vic.	18.8	4.2	5.8	23.1	0.4	—	20.7	**6.9**
Qld	3.1	4.2	2.2	7.0	0.4	0.1	18.6	**0.4**
SA	5.6	3.1	0.2	42.3	—	2.0	22.6	**8.8**
WA	7.7	4.3	5.4	5.4	0.8	0.4	16.6	**0.8**
Tas.	6.8	18.2	—	6.0	5.7	—	22.1	**2.8**
NT	5.2	2.7	13.3	11.6	—	24.0	3.5	**9.6**
ACT	30.4	—	—	11.3	—	—	17.5	**10.5**
Total	4.1	2.3	1.3	6.5	1.2	0.2	9.5	**0.7**
VALUE OF WORK DONE								
NSW	6.0	3.1	1.4	7.5	2.1	1.0	18.5	**2.2**
Vic.	13.8	2.0	0.7	9.4	0.1	0.4	15.6	**4.0**
Qld	3.0	4.5	3.0	5.3	0.3	0.3	11.8	**0.9**
SA	4.9	4.1	0.2	23.5	—	0.8	24.4	**4.1**
WA	9.1	1.0	3.0	23.5	0.4	0.2	10.0	**0.8**
Tas.	15.6	14.0	—	11.4	5.8	—	24.7	**5.3**
NT	4.0	5.4	17.9	6.2	—	17.7	3.5	**8.4**
ACT	37.8	—	—	12.5	—	—	18.0	**12.7**
Total	2.9	0.9	1.0	5.2	0.7	0.3	7.3	**0.7**
VALUE OF WORK YET TO BE DONE								
NSW	1.5	2.9	3.8	10.7	0.4	0.9	35.4	**1.6**
Vic.	2.5	—	0.9	16.1	0.9	—	19.6	**3.9**
Qld	1.7	1.5	—	3.3	0.4	0.1	8.9	**0.3**
SA	1.7	2.6	—	19.4	—	0.7	34.0	**5.7**
WA	5.3	0.2	0.8	0.6	0.7	—	9.0	**0.1**
Tas.	8.6	35.4	—	6.0	1.7	—	10.1	**1.9**
NT	1.6	—	3.9	—	—	6.9	—	**3.5**
ACT	41.7	—	—	3.4	—	—	15.4	**7.1**
Total	1.0	0.4	0.6	4.2	0.5	0.1	10.5	**0.3**

— nil or rounded to zero (including null cells)

EXPLANATORY NOTES

INTRODUCTION

1 This publication contains estimates of engineering construction activity in Australia by both public and private sector organisations. The estimates were compiled from the Engineering Construction Survey (ECS).

2 These estimates together with results from the Australian Bureau of Statistics (ABS) Building Activity Survey provide a complete quarterly picture of building and construction activity in Australia.

SCOPE AND COVERAGE

3 The ECS aims to measure the value of all engineering construction work undertaken in Australia. This value excludes the cost of land and repair and maintenance activity, as well as the value of any transfers of existing assets, the value of installed machinery and equipment not integral to the structure and the expenses for relocation of utility services. However, a contract for the installation of machinery and equipment which is an integral part of a construction project is included.

4 Where projects include elements of both building and engineering construction (for example, electricity generation, heavy industrial plant) every effort is taken to exclude the building component from these statistics.

5 From the September quarter 2002, engineering construction activity in the External Territories of Australia is included in these statistics. Jervis Bay is included in New South Wales, while Christmas Island and Cocos (Keeling) Islands are included in Western Australia.

STATISTICAL UNIT

6 In the Engineering Construction Survey, the statistical unit used to represent businesses, and for which statistics are reported, is the Australian Business Number (ABN) unit, in most cases. The ABN unit is the business unit which has registered for an ABN, and thus appears on the Australian Taxation Office (ATO) administered Australian Business Register. This unit is suitable for ABS statistical needs when the business is simple in structure. For more significant and diverse businesses where the ABN unit is not suitable for ABS statistical needs, the statistical unit used is the Type of Activity Unit (TAU). A TAU is comprised of one or more business entities, sub-entities or branches of a business entity within an Enterprise Group that can report production and employment data for similar economic activities. When a minimum set of data items is available, a TAU is created which covers all the operations within an industry subdivision (and the TAU is classified to the relevant subdivision of the *Australian and New Zealand Standard Industrial Classification (ANZSIC)*). Where a business cannot supply adequate data for each industry, a TAU is formed which contains activity in more than one industry subdivision and the TAU is classified to the predominant ANZSIC subdivision.

7 Further details about the ABS economic statistical units used in this survey, and in other ABS economic surveys (both sample surveys and censuses), can be found in Chapter 2 of the *Standard Economic Sector Classifications of Australia (SESCA) 2008* (cat. no. 1218.0).

RELATIONSHIP WITH NATIONAL ACCOUNTS

8 Data on the value of work done on the construction of new residential buildings, alterations and additions to residential buildings, private sector non-residential buildings (from *Building Activity, Australia* (cat. no. 8752.0)) and the value of engineering construction activity (from the Engineering Construction Survey) are the major source data which are used to compile the national accounts estimates for private gross fixed capital formation on dwellings, and other buildings and structures. However, there are some adjustments to the survey data which are made in the process of compiling these national account series. Allowances are made for the value of building activity which is out of scope of the Building Activity Survey and the Engineering Construction Survey. Such activity includes work done on projects which fall below the size cut-offs used for the Building Activity Survey and also the value of work done which is undertaken

RELATIONSHIP WITH NATIONAL ACCOUNTS *continued*

without obtaining a building permit, either because such a permit is not required or because the requisite permit is not obtained. The national accounts estimates also make allowances for purchases (less sales) of buildings and other structures from (to) the public sector.

SAMPLE REVISION

9 The survey frames and samples are revised each quarter to ensure that they remain representative of the survey population. The timing for creating each quarter's survey frame is consistent with that of other ABS surveys. This provides for greater consistency when comparing data across surveys.

CLASSIFICATION

10 *Ownership*. Projects are classified as private sector or public sector according to the expected ownership of the project at the time of completion. When a project is undertaken as a Private Public Partnership (PPP), or other similar arrangement, these projects will be classified according to the expected ownership of the asset at the time of completion. Projects undertaken as PPP's may be classified as private sector although ownership of the asset could eventually reside with the public sector.

11 *Sector*. The public sector includes Commonwealth Departments and Authorities, State Departments and Authorities, Local Government Authorities, Water, Sewerage and Electricity Authorities and government owned businesses and Statutory Authorities. All remaining organisations are classified as private sector. This publication contains separate estimates for the private sector and:

Commonwealth Government
State and Territory Government
Local Government.

12 *Type of construction*. A project is classified to a category of construction without regard to end use. For example, a project involving coal handling equipment at an electricity generating plant is included under 'Heavy industry - Oil, gas, coal, bauxite, aluminia and other minerals' and not under 'Electricity generation, transmission and distribution'. Where a project involves more than one category of construction the project is included under the category which accounts for the major part of the contract in terms of value.

RELIABILITY OF THE ESTIMATES

13 Since the estimates for private sector and public sector organisations are based on a sample of organisations they are subject to sampling error; that is, they may differ from the figures that would have been obtained if information for all organisations for the relevant period had been included in the survey. A measure of the likely difference is given by the relative standard error (RSE) of each estimate. There are about 2 chances in 3 that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all units had been included, and about 19 chances in 20 that the difference will be less than 2 standard errors. Approximate RSEs of the estimates are shown in tables 28 and 29.

14 An example of the use of RSEs is as follows. If the total value of work done during the quarter is $2,500m and the associated RSE is 0.5% then there are about 2 chances in 3 that the value which would have been obtained if there had been a complete collection would have been within the range $2,488m to $2,513m and about 19 chances in 20 that the value would have been within the range $2,475m to $2,525m.

15 Estimates that have an estimated relative standard error between 10% and 25% are annotated with the symbol '^'. These estimates should be used with caution as they are subject to sampling variability too high for some purposes. Estimates with an RSE between 25% and 50% are annotated with the symbol '*', indicating that the estimate should be used with caution as it is subject to sampling variability too high for most practical purposes. Estimates with an RSE greater than 50% are annotated with the

RELIABILITY OF THE ESTIMATES *continued*

symbol '**' indicating that the sampling variability causes the estimates to be considered too unreliable for general use.

16 The imprecision due to sampling variability, which is measured by the RSE, should not be confused with inaccuracies that may occur because of inadequacies in the source of information, imperfections in reporting by respondents, and errors made in the coding and processing of data. Inaccuracies of this kind are referred to as non-sampling error, and may occur in any enumeration whether it be a full count or only a sample. Every effort is made to reduce the non-sampling error to a minimum by the careful design of questionnaires, efforts to obtain responses for all selected organisations, and efficient operating procedures.

17 Caution is advised in respect of the value of work commenced (and consequently, the value of work yet to be done) reported by the public sector. It is known that data reported for value of work commenced are a combination of the following: annual works budget estimates which are reported as commencements in the September quarter (and in some cases may subsequently be undertaken by the private sector); genuine commencements as defined in the Glossary, and reported quarterly; commencements being reported as equal to the value of work done for the quarter; commencements of major stages in the case of long-term projects.

SEASONAL ADJUSTMENT

18 Since seasonally adjusted statistics reflect both irregular and trend movements, an upward or downward movement in a seasonally adjusted series does not necessarily indicate a change of trend. Particular care should therefore be taken in interpreting individual quarter to quarter movements.

19 From the June quarter 2003, the seasonally adjusted estimates are produced by the concurrent seasonal adjustment method which takes account of the latest available original estimates. The concurrent method improves the estimation of seasonal factors and, therefore, the seasonally adjusted and trend estimates for the current and previous quarters.

20 The revision properties of the seasonally adjusted and trend estimates have been improved by the use of autoregressive integrated moving average (ARIMA) modelling. ARIMA modelling relies on the characteristics of the series being analysed to project future period data. The ARIMA model is assessed as part of the annual reanalysis. For more information on the details of ARIMA modelling see feature article: *Use of ARIMA modelling to reduce revisions* in the October 2004 issue of Australian Economic Indicators (cat. no. 1350.0).

21 A more detailed review of concurrent seasonal factors will be conducted annually, generally prior to the release of data for the December quarter.

TREND ESTIMATES

22 Seasonally adjusted series can be smoothed to reduce the impact of the irregular component in the adjusted series. This smoothed seasonally adjusted series is called a trend estimate.

23 The trend estimates are derived by applying a 7-term Henderson moving average to the seasonally adjusted series. The 7-term Henderson average (like all Henderson averages) is symmetric but, as the end of a time series is approached, asymmetric forms of the average are applied. Unlike weights of the standard 7-term Henderson moving average, the weights employed here have been tailored to suit the particular characteristics of individual series.

24 While the smoothing technique described in paragraphs 22 and 23 enables trend estimates to be produced for recent quarters, it does result in revisions to the estimates for the most recent three quarters as additional observations become available. There may also be revisions because of changes in the original data and as a result of the re-estimation of the seasonal factors. For further information, see *Information Paper: A*

TREND ESTIMATES *continued*

Guide to Interpreting Time Series—Monitoring Trends, 2003 (cat. no. 1349.0) or contact the Assistant Director, Time Series Analysis on Canberra (02) 6252 6540 or email <timeseries@abs.gov.au>.

CHAIN VOLUME MEASURES

25 Chain volume estimates of the value of work done are presented in original, seasonally adjusted and trend terms in tables 1, 2, 3 and 4.

26 While current price estimates of value of work done reflect both price and volume changes, chain volume estimates measure changes in value after the direct effects of price changes have been eliminated and therefore only reflect volume changes. The direct impact of the Goods and Service Tax is a price change, and hence is removed from chain volume estimates. The deflators used to revalue the current price estimates in this publication are derived from the same price data underlying the deflators compiled for the dwellings and new other building components, and the new engineering construction component, of the national accounts aggregate 'Gross fixed capital formation'.

27 The chain volume measures of work done appearing in this publication are annually reweighted chain Laspeyres indexes referenced to current price values in a chosen reference year. The reference year is updated annually in the September quarter publication. Each year's data in the value of work done series are based on the prices of the previous year, except for the quarters of the latest incomplete year which are based upon the current reference year. Comparability with previous years is achieved by linking (or chaining) the series together to form a continuous time series.

28 Chain volume measures do not, in general, sum exactly to the extrapolated total value of the components. Further information on the nature and concepts of chain volume measures is contained in the ABS *Information Paper: Introduction of Chain Volume Measures in the Australian National Accounts* (cat. no. 5248.0).

29 The factors used to seasonally adjust the chain volume measures are identical to those used to adjust the corresponding current price series.

ACKNOWLEDGMENT

30 ABS publications draw extensively on information provided freely by individuals, businesses, governments and other organisations. Their continued cooperation is very much appreciated: without it, the wide range of statistics published by the ABS would not be available. Information received by the ABS is treated in strict confidence as required by the *Census and Statistics Act 1905*.

RELATED PRODUCTS

31 Users may also wish to refer to the following publications:
Building Activity, Australia cat. no. 8752.0
Building Approvals, Australia cat. no. 8731.0
Construction Work Done, Australia, Preliminary cat. no. 8755.0
Dwelling Unit Commencements, Australia, Preliminary cat. no. 8750.0.

ABS DATA AVAILABLE ON REQUEST

32 As well as the statistics included in this and related publications, the ABS may have other relevant data available on request. Inquiries should be made to the National Information and Referral Service on 1300 135 070.

ABBREVIATIONS

$m	million dollars
ABN	Australian Business Number
ABS	Australian Bureau of Statistics
ACT	Australian Capital Territory
ANZSIC	Australian and New Zealand Standard Industrial Classification
ATO	Australian Taxation Office
Aust.	Australia
ECS	Engineering Construction Survey
NSW	New South Wales
NT	Northern Territory
qtr	quarter
Qld	Queensland
RSE	relative standard error
SA	South Australia
Tas.	Tasmania
TAU	type of activity unit
Vic.	Victoria
WA	Western Australia

APPENDIX LIST OF ELECTRONIC TABLES

ELECTRONIC TABLES

The following tables are available electronically via the ABS web site. Not all series in the table go back to the earliest start date.

ENGINEERING CONSTRUCTION ACTIVITY

	Publication table no.	*Electronic table no.*	*Start date*
Value of work done: chain volume measures	1	1	September 1984
Value of work done: chain volume measures – change from previous period	2	n.a.	..
Value of work done, states and territories: chain volume measures	3	2	September 1986
Value of work done, states and territories: chain volume measures – change from previous period	4	n.a.	..
Value of work done: current prices	5	3	September 1986
Value of work done: current prices – change from previous period	6	n.a.	..
Value of work done, states and territories: current prices	7	4	September 1986
Value of work done, states and territories: current prices – change from previous period	8	n.a.	..
Activity, states and territories: original	9	5	September 1986
Activity, states and territories: original – change from previous period	10	n.a.	..
Activity, by type, Australia: original	11	6	September 1986
Work commenced by the private sector, by type, original	12	7	September 1986
Work done by the private sector, by type, original	13	8	September 1986
Work yet to be done by the private sector, by type, original	14	9	September 1986
Activity by the public sector, by type, original	15	10	September 1986
Activity for the public sector, by type, original	16	11	September 1986
Value of work commenced, by type and sector: original – New South Wales	17	12	September 1986
Value of work done, by type and sector: original – New South Wales	17	13	September 1986
Value of work yet to be done, by type and sector: original – New South Wales	17	14	September 1986
Value of work commenced, by type and sector: original – Victoria	18	15	September 1986
Value of work done, by type and sector: original – Victoria	18	16	September 1986
Value of work yet to be done, by type and sector: original – Victoria	18	17	September 1986
Value of work commenced, by type and sector: original – Queensland	19	18	September 1986
Value of work done, by type and sector: original – Queensland	19	19	September 1986
Value of work yet to be done, by type and sector: original – Queensland	19	20	September 1986
Value of work commenced, by type and sector: original – South Australia	20	21	September 1986
Value of work done, by type and sector: original – South Australia	20	22	September 1986
Value of work yet to be done, by type and sector: original – South Australia	20	23	September 1986
Value of work commenced, by type and sector: original – Western Australia	21	24	September 1986
Value of work done, by type and sector: original – Western Australia	21	25	September 1986
Value of work yet to be done, by type and sector: original – Western Australia	21	26	September 1986
Value of work commenced, by type and sector: original – Tasmania	22	27	September 1986
Value of work done, by type and sector: original – Tasmania	22	28	September 1986
Value of work yet to be done, by type and sector: original – Tasmania	22	29	September 1986
Value of work commenced, by type and sector: original – Northern Territory	23	30	September 1986
Value of work done, by type and sector: original – Northern Territory	23	31	September 1986
Value of work yet to be done, by type and sector: original – Northern Territory	23	32	September 1986
Value of work commenced, by type and sector: original – Australian Capital Territory	24	33	September 1986
Value of work done, by type and sector: original – Australian Capital Territory	24	34	September 1986
Value of work yet to be done, by type and sector: original – Australian Capital Territory	24	35	September 1986
Value of work done by the private sector, states and territories: original	25	36	September 1986
Value of work done by the public sector, states and territories: original	26	37	September 1986
Value of work done for the public sector, states and territories: original	27	38	September 1986

GLOSSARY

Activity	Activity refers to value of a specific stage of the construction undertaken, e.g. work commenced, work done or work yet to be done.
Bridges	Includes those for the support of roads, railways, causeways and elevated highways.
Commencements (value of work commenced)	A project is regarded as having commenced when the site works begin, with the following exceptions: ■ Some public sector authorities are unable to report on this basis. In such cases, the authorities report the value of their annual works budget in September quarter each year. ■ For very large projects, where a significant amount of work is done off-site, the project may be commenced before the site works begin.
Electricity generation, transmission and distribution	Includes power stations; substations; hydro-electric generating plants; associated work i.e. towers; chimneys; transmission and distribution lines.
Harbours	Includes boat and yacht basins; breakwaters; retaining walls; docks and piers; terminals; wharves; dredging works; marinas.
Heavy industry	This category is the total of 'Oil, gas, coal, bauxite, aluminia and other minerals' and 'Other heavy industry'.
Oil, gas, coal, bauxite, aluminia and other minerals	Includes construction of production, storage and distribution facilities; refineries; pumping stations; construction of mines.
Other heavy industry	Includes construction of chemical plants; blast furnaces; steel mills; other industrial processing plants; ovens.
Pipelines	Includes oil and gas pipelines; urban supply mains for gas; pipelines for refined petroleum products, chemicals, foodstuffs, etc.
Railways	Includes tracklaying; overhead power lines and signals; platforms; tramways; tunnels for underground railways; fuel hoppers.
Recreation	Includes golf courses; playing fields; racecourses; stadiums; swimming pools; landscaping; park construction.
Roads, highways and subdivisions	Includes parking areas; cycle paths; airport runways; pedestrian and vehicle overpasses; traffic lights; roundabouts; associated road drainage works; street and highway lighting; road resurfacing, kerbing and guttering, road tunnels.
Sewerage and drainage	Includes sanitary and storm sewers; sewage treatment plants; stormwater drains; drainage systems.
Telecommunications	Includes mobile phone, radio, television, microwave and radar transmission towers; telephone lines and underground cables; coaxial cables.
Type	Type refers to the category of construction undertaken, e.g. Roads, highways and subdivisions; Bridges; Railways; etc.
Value of work done	The value of work done for the private sector consists of the value of work done on prime contracts, plus speculative contracts, plus work done on own account. The value of work done for the public sector is the work done by the organisation's own workforce and subcontractors.
Value of work yet to be done	The value of outstanding work for the project at the end of the period. Rise and fall and other cost variations can lead to increases or decreases in the value of work yet to be done.
Water storage and supply	Includes dams; weirs; reservoirs; embankments for water diversion; water pipelines; mains and treatment plants; flood prevention and erosion; aqueducts; water conduits; systems conveying water to residences, commercial and industrial establishments.

FOR MORE INFORMATION . . .

INTERNET **www.abs.gov.au** the ABS website is the best place for data from our publications and information about the ABS.

INFORMATION AND REFERRAL SERVICE

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ISSN 1037–3993