

Item	Category	Description	Standard	Cost Application	Cost estimate P90		Unit	Rate per Unit	Cost estimate P90		Difference Cost Estimate P90 Apr-19 to Jul-18	Percentage difference	Rate per Unit
					Jul-18	Apr-19		Jul-18	Apr-19				
1	Road	Primary Arterial	Interim – first carriageway	Per 800m of road	\$2,788,000	m of road	\$4,050	\$3,860,000	\$1,072,000	38%	\$4,825		
2	Road	Secondary Arterial	Interim – first carriageway	Per 800m of road	\$2,703,000	m of road	\$3,685	\$3,500,000	\$797,000	29%	\$4,375		
3	Road	Connector–Boulevard	Ultimate	Per 800m of road	\$3,331,000	m of road	\$4,147	\$4,140,000	\$809,000	24%	\$5,175		
4	Road	Connector Street	Ultimate	Per 800m of road	\$3,217,000	m of road	\$3,975	\$3,793,000	\$576,000	18%	\$4,742		
5	Intersection	Primary/ Primary	Interim – Cross-Signalised	Per intersection	\$5,494,000	m2 of Pavement	\$493	\$7,007,000	\$1,513,000	28%	\$570		
6	Intersection	Primary/ Secondary	Interim – Cross-Signalised	Per intersection	\$5,573,000	m2 of Pavement	\$404	\$6,939,000	\$1,366,000	25%	\$491		
7	Intersection	Primary/ Conn. Blvd.	Interim – Cross-Signalised	Per Intersection	\$4,622,000	m2 of Pavement	\$568	\$4,674,000	\$52,000	1%	\$680		
8	Intersection	Secondary/ Secondary	Interim – Cross-Signalised	Per intersection	\$5,146,000	m2 of Pavement	\$379	\$6,134,000	\$988,000	19%	\$445		
9	Intersection	Secondary/ Conn. Blvd	Interim – Cross-Signalised	Per intersection	\$4,384,260	m2 of Pavement	\$478	\$4,310,000	-\$74,260	-2%	\$512		
10	Intersection	Conn. Blvd/ Conn. Blvd	Ultimate – Cross–Roundabout	Per intersection	\$2,451,000	m2 of Pavement	\$407	\$1,976,000	-\$475,000	-19%	\$549		
11	Intersection	Primary/ Primary	Interim – T–Signalised	Per intersection	\$4,340,000	m2 of Pavement	\$528	\$5,546,000	\$1,206,000	28%	\$606		
12	Intersection	Primary/ Secondary	Interim – T–Signalised	Per intersection	\$3,922,000	m2 of Pavement	\$486	\$4,964,000	\$1,042,000	27%	\$568		
13	Intersection	Primary/ Conn. Blvd.	Interim – T–Signalised	Per intersection	\$3,625,000	m2 of Pavement	\$534	\$3,962,000	\$337,000	9%	\$649		
14	Intersection	Secondary/ Secondary	Interim – T–Signalised	Per intersection	\$3,665,000	m2 of Pavement	\$410	\$4,417,000	\$752,000	21%	\$483		
15	Intersection	Secondary/ Conn. Blvd	Interim – T–Signalised	Per intersection	\$3,313,000	m2 of Pavement	\$461	\$3,513,000	\$200,000	6%	\$529		
16	Intersection	Conn. Blvd/ Conn. Blvd	Ultimate – T–Roundabout	Per intersection	\$1,980,000	m2 of Pavement	\$508	\$1,548,000	-\$432,000	-22%	\$573		
17	Bridge	Interim Primary Arterial Road Bridge 50 m span	Interim – Super-T – 15.80m wide	Per Bridge	\$6,940,000	m of Bridge	\$142,681	\$8,020,243	\$1,080,243	16%	\$160,404		
18	Bridge	Interim Primary Arterial Road Bridge 100 m length	Interim – Super-T – 15.80m wide	Per Bridge	\$12,720,000	m of Bridge	\$131,810	\$14,646,000	\$1,926,000	15%	\$146,640		
19	Bridge	Interim Secondary Arterial Road Bridge 50m length	Interim – Super-T – 14.90m wide	Per bridge	\$6,415,000	m of Bridge	\$130,956	\$7,368,000	\$953,000	15%	\$147,360		
20	Bridge	Interim Secondary Arterial Road Bridge 100m length	Interim – Super-T – 14.90m wide	Per bridge	\$11,670,000	m of Bridge	\$120,652	\$13,419,000	\$1,749,000	15%	\$134,190		
21	Bridge	Ultimate Connector Road Bridge 50m length	Ultimate – Super-T – 14.30m wide	Per bridge	\$6,415,000	m of Bridge	\$130,915	\$7,368,000	\$953,000	15%	\$147,360		
22	Bridge	Ultimate Connector Road Bridge 100m length	Ultimate – Super-T – 14.30m wide	Per bridge	\$11,670,000	m of Bridge	\$120,659	\$13,419,000	\$1,749,000	15%	\$134,190		
23	Bridge	Pedestrian Bridge 20m length	Ultimate – Super-T – 4m wide	Per bridge	\$824,000	m of Bridge	\$48,274	\$1,131,000	\$307,000	37%	\$56,550		
24	Bridge	Pedestrian Bridge 80m length	Ultimate – Super-T – 4m wide	Per bridge	\$2,521,000	m of Bridge	\$36,329	\$3,364,000	\$843,000	33%	\$42,050		
25	Major Culvert	Box culverts 1200 x 2100 (4 side by side)	Secondary Arterial Interim – 17.0m	Per structure	\$434,000	m2 of Box Culvert	\$3,040	\$452,000	\$18,000	4%	\$3,165		
26	Major Culvert	Box culverts 1200 x 2100 (4 side by side)	Connector Boulevard Ultimate – 31.0m	Per structure	\$622,000	m2 of Box Culvert	\$2,178	\$643,000	\$21,000	3%	\$2,470		
27	Major Culvert	Box culverts 1800 x 3000 (6 side by side)	Secondary Arterial Interim – 17.0m	Per structure	\$795,000	m2 of Box Culvert	\$2,599	\$914,000	\$119,000	15%	\$2,987		
28	Major Culvert	Box culverts 1800 x 3000 (6 side by side)	Connector Boulevard Ultimate – 31.0m	Per structure	\$1,240,000	m2 of Box Culvert	\$2,223	\$1,382,000	\$142,000	11%	\$2,477		
29	Major Culvert	Box culverts 2100 x 2100 (16 side by side)	Secondary Arterial Interim – 17.0m	Per structure	\$1,357,000	m2 of Box Culvert	\$2,376	\$1,625,000	\$268,000	20%	\$2,845		
30	Major Culvert	Box culverts 2100 x 2100 (16 side by side)	Connector Boulevard Ultimate – 31.0 m	Per structure	\$2,131,000	m2 of Box Culvert	\$2,046	\$2,463,000	\$332,000	16%	\$2,365		
31	Major Culvert	Circular Pipes (RCP) 1200 dia. (2 side by side)	Secondary Arterial Interim – 17.0m	Per structure	\$308,000	m of Pipe	\$11,177	\$287,000	-\$21,000	-7%	\$84,442		
32	Major Culvert	Circular Pipes (RCP) 1200 dia. (2 side by side)	Connector Boulevard Ultimate – 31.0 m	Per structure	\$444,000	m of Pipe	\$7,162	\$405,000	-\$39,000	-9%	\$6,533		
33	Major Culvert	Circular Pipes (RCP) 1800 dia. (3 side by side)	Secondary Arterial Interim – 17.0m	Per structure	\$572,000	m of Pipe	\$11,216	\$545,000	-\$27,000	-5%	\$10,687		
34	Major Culvert	Circular Pipes (RCP) 1800 dia. (3 side by side)	Connector Boulevard	Per structure	\$917,000	m of Pipe	\$9,861	\$865,000	-\$52,000	-6%	\$9,302		

34	Major Culvert	Circular Pipes (RCP) 1800 dia. (3 side by side)	Ultimate – 31.0 m	Per structure	\$217,000	m of Pipe	\$2,801	\$883,000	-\$22,000	-0%	\$2,902
35	Major Culvert	Circular Pipes (RCP) 2100 dia. (4 side by side)	Secondary Arterial Interim – 17.0m	Per structure	\$861,000	m of Pipe	\$12,662	\$816,000	-\$45,000	-5%	\$12,000
36	Major Culvert	Circular Pipes (RCP) 2100 dia. (4 side by side)	Connector Boulevard Ultimate – 31.0m	Per structure	\$1,378,000	m of Pipe	\$11,113	\$1,316,000	-\$62,000	-4%	\$10,613
37	Community Facilities	Level 1 Facility	Contemporary standard	Bldg. floor area	\$6,398,000	m2 of Floor space	\$5,807	\$7,606,000	\$1,208,000	19%	\$6,338
38	Community Facilities	Level 2 Facility	Contemporary standard	Bldg. floor area	\$7,648,000	m2 of Floor space	\$5,809	\$8,928,000	\$1,280,000	17%	\$5,952
39	Community Facilities	Level 3 Facility	Above contemporary standard allowing for place making architectural features	Bldg. floor area	\$10,304,000	m2 of Floor space	\$4,632	\$11,830,000	\$1,526,000	15%	\$4,930
40	Sports and Recreation Facilities	Sports Pavilion 2 playing areas	Contemporary standard multi-purpose facility	Bldg. floor area	\$1,665,000	m2 of Floor space	\$4,182	\$1,656,000	-\$9,000	-1%	\$3,943
41	Sports and Recreation Facilities	Sports Pavilion 3 playing areas	Contemporary standard multi-purpose facility	Bldg. floor area	\$2,760,000	m2 of Floor space	\$4,330	\$2,753,000	-\$7,000	0%	\$3,933
42	Sports and recreation Facilities	Sports and Recreation Facility 5 to 6 hectare site	Contemporary senior and junior sporting competition standard	Per Reserve	\$7,235,000	ha	\$1,525,400	\$8,021,000	\$786,000	11%	\$1,604,200
43	Sports and recreation Facilities	Sports and Recreation Facility 8 to 10 hectare site	Contemporary senior and junior sporting competition standard	Per Reserve	\$10,388,000	ha	\$1,216,000	\$10,355,000	-\$33,000	-0.3%	\$1,294,375