

Roads and Intersection Benchmark Infrastructure Costs (indexed to July 2021)

Item	Category	Description	Standard	Cost Application	Estimate P50	Estimate P90
1	Road	Primary Arterial	Interim - First carriageway	Per 800m of road	\$3,701,805	\$4,208,827
2	Road	Secondary Arterial	Interim - First carriageway	Per 800m of road	\$3,429,213	\$3,816,294
3	Road	Connector - Boulevard	Ultimate	Per 800m of road	\$3,987,482	\$4,514,131
4	Road	Connector Street	Ultimate	Per 800m of road	\$3,663,642	\$4,135,772
5	Intersection	Primary/ Primary	Cross - Signalised (Interim)	Per intersection	\$6,712,316	\$7,640,220
6	Intersection	Primary/ Secondary	Cross - Signalised (Interim)	Per intersection	\$6,710,135	\$7,566,075
7	Intersection	Primary/ Connector Blvd	Cross - Signalised (Interim)	Per intersection	\$4,474,877	\$5,096,388
8	Intersection	Secondary/ Secondary	Cross - Signalised (Interim)	Per intersection	\$5,980,678	\$6,688,328
9	Intersection	Secondary/ Connector Blvd	Cross - Signalised (Interim)	Per intersection	\$4,169,574	\$4,699,493
10	Intersection	Connector Blvd/ Connector Blvd	Cross - Roundabout (Ultimate)	Per intersection	\$1,888,520	\$2,154,571
11	Intersection	Primary/ Primary	T - Signalised (Interim)	Per intersection	\$5,319,914	\$6,047,190
12	Intersection	Primary/ Secondary	T - Signalised (Interim)	Per intersection	\$4,770,367	\$5,412,595
13	Intersection	Primary/ Connector Blvd	T - Signalised (Interim)	Per intersection	\$3,772,679	\$4,320,045
14	Intersection	Secondary/ Secondary	T - Signalised (Interim)	Per intersection	\$4,291,695	\$4,816,163
15	Intersection	Secondary/ Connector Blvd	T - Signalised (Interim)	Per intersection	\$3,434,665	\$3,869,722
16	Intersection	Connector Blvd/ Connector Blvd	T - Roundabout (Ultimate)	Per intersection	\$1,476,361	\$1,687,892

Table 1: Road and intersection Infrastructure Costings (Indexed to July 2021)

Bridges and Culverts Benchmark Infrastructure Costs (indexed to July 2021)

Item	Category	Description	Standard	Cost Application	Estimate P50	Estimate P90
17	Bridge	Interim Primary Arterial Road Bridge 50m span	Super-T - 15.80m wide (Interim)	Per bridge	\$7,445,044	\$8,745,855
18	Bridge	Interim Primary Arterial Road Bridge 100m span	Super-T - 15.80m wide (Interim)	Per bridge	\$13,557,657	\$15,969,555
19	Bridge	Interim Secondary Arterial Road Bridge 50m span	Super-T - 14.90m wide (Interim)	Per bridge	\$6,836,618	\$8,033,844
20	Bridge	Interim Secondary Arterial Road Bridge 100m span	Super-T - 14.90m wide (Interim)	Per bridge	\$12,420,401	\$14,631,671
21	Bridge	Ultimate Connector Road Bridge 50m span	Super-T - 14.30m wide (Ultimate)	Per bridge	\$6,836,618	\$8,033,844
22	Bridge	Ultimate Connector Road Bridge 100m span	Super-T - 14.30m wide (Ultimate)	Per bridge	\$12,420,401	\$14,631,671
23	Bridge	Pedestrian Bridge - 20m length	Typ. Super-T - 4m wide (Ultimate)	Per bridge	\$1,053,297	\$1,233,208
24	Bridge	Pedestrian Bridge - 80m length	Typ. Super-T - 4m wide (Ultimate)	Per bridge	\$3,110,825	\$3,668,004
25	Major Culvert	Box culverts 1200 x 2100 (4 side by side)	Secondary Arterial Interim - 17.0 m	Per structure	\$428,515	\$492,847
26	Major Culvert	Box culverts 1200 x 2100 (4 side by side)	Connector Boulevard Ultimate - 31.0 m	Per structure	\$609,517	\$701,108
27	Major Culvert	Box culverts 1800 x 3000 (6 side by side)	Secondary Arterial Interim - 17.0 m	Per structure	\$866,844	\$996,598
28	Major Culvert	Box culverts 1800 x 3000 (6 side by side)	Connector Boulevard Ultimate - 31.0 m	Per structure	\$1,310,624	\$1,506,891
29	Major Culvert	Box culverts 2100 x 2100 (16 side by side)	Secondary Arterial Interim - 17.0 m	Per structure	\$1,540,692	\$1,771,851
30	Major Culvert	Box culverts 2100 x 2100 (16 side by side)	Connector Boulevard Ultimate - 31.0 m	Per structure	\$2,335,572	\$2,685,581
31	Major Culvert	Circular Pipes (RCP) 1200 dia. (2 side by side)	Secondary Arterial Interim - 17.0 m	Per structure	\$272,592	\$312,936

Item	Category	Description	Standard	Cost Application	Estimate P50	Estimate P90
32	Major Culvert	Circular Pipes (RCP) 1200 dia. (2 side by side)	Connector Boulevard Ultimate - 31.0 m	Per structure	\$383,810	\$441,600
33	Major Culvert	Circular Pipes (RCP) 1800 dia. (3 side by side)	Secondary Arterial Interim - 17.0 m	Per structure	\$516,835	\$594,251
34	Major Culvert	Circular Pipes (RCP) 1800 dia. (3 side by side)	Connector Boulevard Ultimate - 31.0 m	Per structure	\$819,958	\$943,170
35	Major Culvert	Circular Pipes (RCP) 2100 dia. (4 side by side)	Secondary Arterial Interim - 17.0 m	Per structure	\$773,072	\$889,742
36	Major Culvert	Circular Pipes (RCP) 2100 dia. (4 side by side)	Connector Boulevard Ultimate - 31.0 m	Per structure	\$1,248,473	\$1,434,927

Table 2: Bridges and Culverts Infrastructure Costings (Indexed to July 2021)

Community Infrastructure Benchmark Infrastructure Costs (indexed to July 2021)

Item	Category	Description	Standard	Cost Application	Estimate P50	Estimate P90
37	Community Facilities	Level 1 Facility	Contemporary standard	Bldg floor area	\$7,263,568	\$8,094,754
38	Community Facilities	Level 2 Facility	Contemporary standard	Bldg floor area	\$8,582,185	\$9,501,705
39	Community Facilities	Level 3 Facility	Above contemporary standard allowing for place making architectural features	Bldg floor area	\$11,452,491	\$12,590,184

Table 3: Community Infrastructure Costings (Indexed to July 2021)

Sports Pavilion Benchmark Infrastructure Costs (indexed to July 2021)

Item	Category	Description	Standard	Cost Application	Estimate P50	Estimate P90
40	Sports and Recreation Facilities	Sports Pavilion 2 playing areas	Contemporary standard multi-purpose facility	Bldg floor area	\$1,717,714	\$1,762,413
41	Sports and Recreation Facilities	Sports Pavilion 3 playing areas	Contemporary standard multi-purpose facility	Bldg floor area	\$2,859,664	\$2,929,905

Table 4: Sports Pavilion Infrastructure Costings (Indexed to July 2021)

Sports & Recreation Facility Benchmark Infrastructure Costs (indexed to July 2021)

Item	Category	Description	Standard	Cost Application	Estimate P50	Estimate P90
42	Sports and Recreation Facilities	Sports and recreation facility 5 to 6 hectare site	Contemporary senior and junior sporting competition standard	Per Reserve	\$7,388,086	\$8,536,422
43	Sports and Recreation Facilities	Sports and recreation facility 8 to 10 hectare site	Contemporary senior and junior sporting competition standard	Per Reserve	\$9,590,038	\$11,020,402

Table 5: Sports & Recreation Facility Costings (Indexed to July 2021)