

Donnybrook–Woodstock

Infrastructure Contributions Plan

July 2020
(Amended March 2022)



Contents

1.0 SUMMARY	4	5.0 CONTRIBUTIONS & ADMINISTRATION	31
1.1 Monetary component	4	5.1 Collecting agency	31
1.2 Land component	4	5.2 Development agency	31
2.0 INTRODUCTION	6	5.3 Net developable area	31
2.1 Document structure	6	5.4 Contribution land	31
2.2 <i>Planning and Environment Act 1987</i>	7	5.5 Levy rates and classes of development	31
2.3 Strategic planning & justification	7	5.6 Estimated value of public purpose land	32
2.4 Timeframe & plan review period	7	5.7 Payment of contributions	32
2.5 Area to which this infrastructure contribution plan applies (ICP plan area)	7	5.8 Payment of land credit amounts	33
3.0 MONETARY COMPONENT PROJECT IDENTIFICATION	9	5.9 Development exempt from contributions	33
3.1 Cost apportionment & related infrastructure agreements	9	5.10 Works in kind	33
3.2 Transport construction projects	9	5.11 Works in kind reimbursement	34
3.3 Community & recreation construction projects	16	5.12 Funds administration	34
3.4 Project staging	17	5.13 Annual indexation of standard levy rates	34
4.0 PUBLIC PURPOSE LAND PROVISION	19	5.14 Annual indexation of supplementary levy rates	34
4.1 Inner & outer public purpose land	19	5.15 Adjustment of land credit land amounts	35
4.2 Land component	25	5.16 Adjustment of land equalisation amounts	35
		APPENDIX 1 DEFINITIONS	35
		APPENDIX 2 LAND	36
		APPENDIX 3 INFRASTRUCTURE SCHEDULE	41
		APPENDIX 4 DETAILED COSTS SHEETS	44
		APPENDIX 5 COSTS INDEXED FOR THE 2021/22 FINANCIAL YEAR	103

PLANS

Plan 1	ICP Plan Area and Classes of Development	8
Plan 2	Standard and Supplementary Levy Transport Construction Projects	10
Plan 3	Standard Levy Community and Recreation Construction Projects	15
Plan 4	Public Purposes Land	18
Plan 5	Land Use Budget	36

TABLES

Table 1	Monetary component ICP levy summary	4
Table 2	ICP land contribution percentage	4
Table 3	Land credit and equalisation amounts	5
Table 4	Development classes & areas	7
Table 5	Standard levy transport construction projects	11
Table 6	Supplementary levy transport construction projects	14
Table 7	Standard levy community & recreation construction projects	16
Table 8	Inner public purpose land	20
Table 9	Public purposes land summary	25
Table 10	ICP land equalisation rate	26
Table 11	Public purpose land credit & equalisation amounts	27
Table 12	Classes of development & standard levy rates	31
Table 13	Classes of development & supplementary levy rates	32
Table 14	Classes of development & monetary component total levy rates	32
Table 15	Indices	34
Table 16	Indices – supplementary levy rates.	34
Table 17	Summary land use budget	37
Table 18	Parcel-specific land use budget	38
Table 19	Original capital costs from 2017/18 indexed for the 2021/22 financial year	103

1.0 SUMMARY

1.1 Monetary component

The following table summarises the monetary component of the infrastructure contribution imposed under this infrastructure contributions plan (ICP) for each class of development.

The monetary component consists of a:

- **standard levy** that is calculated by multiplying the net developable area (NDA) by the standard levy rate; and
- **supplementary levy** that is calculated by multiplying the NDA by the supplementary level rate.

Details of the infrastructure construction projects that will be funded by the monetary component and their apportionment are provided in [Section 3.0](#) of this ICP.

Details of the standard and supplementary levy rates are provided in [Section 5.0](#) of this ICP.

Amended by GC198 **Table 1** Monetary component ICP levy summary

CLASS OF DEVELOPMENT	NET DEVELOPABLE AREA (HA)	LEVY RATE	LEVY TO BE PAID
Standard levy			
Residential	1,032.66	\$216,564	\$223,637,596
Supplementary levy			
Residential	1,032.66	\$43,400	\$44,817,852
TOTAL MONETARY COMPONENT			
Residential	1,032.66	\$259,964	\$268,455,449

1.2 Land component

The following table specifies the ICP land contribution percentage for each class of development.

The ICP land contribution percentage for a class of development is calculated by dividing the total area of public purpose land specified in this ICP that is attributable to that class of development by the total area of the contribution land in the ICP plan area of this ICP in that class of development.

Details of the public purposes that this land will be used and developed for, is specified in [Section 4.0](#) of this ICP.

Table 2 ICP land contribution percentage

CLASS OF DEVELOPMENT	ICP LAND CONTRIBUTION PERCENTAGE
Residential	13.10%

The land component of the infrastructure contribution in relation to a parcel of land in the ICP plan area is:

- any inner public purpose land that forms part of the parcel of land; and
- any land equalisation amount in relation to the parcel of land.

Table 3 specifies for each parcel of land in the ICP plan area:

- the area of inner public purpose land to be provided by the parcel
- land credit amount or the land equalisation amount in relation to the parcel; and
- outer land attributable to this ICP.

Table 3 Land credit and equalisation amounts

Amended
by GC198

PARCEL ID	INNER PUBLIC PURPOSE LAND (HA)	LAND CREDIT AMOUNT (TOTAL \$)	LAND EQUALISATION AMOUNT (TOTAL \$)	LAND EQUALISATION AMOUNT (\$/NDHA)
1	–	\$–	\$–	\$–
2	–	\$–	\$–	\$–
3	10.5258	\$5,520,541.38	\$–	\$–
4	–	\$–	\$–	\$–
5	–	\$–	\$–	\$–
6	1.9748	\$–	\$340,939.58	\$24,189.20
7	11.3472	\$9,809,129.53	\$–	\$–
8	10.0338	\$–	\$6,320,836.08	\$74,382.93
9	11.5635	\$12,701,577.52	\$–	\$–
10	4.7589	\$–	\$7,513,206.67	\$140,558.13
11	0.5025	\$–	\$3,744,064.30	\$262,986.43
12	–	\$–	\$340,864.16	\$343,393.13
13	–	\$–	\$1,238,410.86	\$343,393.13
14	0.0249	\$–	\$206,425.88	\$269,322.49
15	0.6369	\$–	\$4,301,128.60	\$256,773.70
16	0.7625	\$–	\$7,938,015.06	\$281,737.13
17	8.3568	\$337,413.72	\$–	\$–
18	0.0236	\$–	\$328,987.48	\$295,108.95
19	11.5477	\$1,871,842.78	\$–	\$–
20	20.8219	\$14,997,017.85	\$–	\$–
21	–	\$–	\$679,424.40	\$343,393.13
22	–	\$–	\$–	\$–
23	–	\$–	\$–	\$–
24	–	\$–	\$–	\$–
25	11.7265	\$6,733,621.50	\$–	\$–
26	0.5000	\$–	\$1,667,452.97	\$204,016.93
27	–	\$–	\$–	\$–
28	0.2500	\$–	\$2,981,283.27	\$288,319.32
29	0.0662	\$–	\$4,213,124.21	\$331,525.60
30A	0.1854	\$–	\$2,465,682.55	\$293,165.62
30B	13.6511	\$4,528,993.05	\$–	\$–
31	1.6191	\$–	\$8,837,144.34	\$242,266.44
32	11.0523	\$1,877,846.98	\$–	\$–
33	10.7756	\$–	\$1,497,745.79	\$19,745.35
34	–	\$–	\$141,311.95	\$343,393.13

PARCEL ID	INNER PUBLIC PURPOSE LAND (HA)	LAND CREDIT AMOUNT (TOTAL \$)	LAND EQUALISATION AMOUNT (TOTAL \$)	LAND EQUALISATION AMOUNT (\$/NDHA)
35	–	\$–	\$225,502.47	\$343,393.13
36	1.0628	\$–	\$6,372,390.13	\$248,842.89
37	4.0510	\$–	\$3,802,136.28	\$100,190.17
38	–	\$–	\$894,503.00	\$343,393.13
39	0.0740	\$–	\$87,228.68	\$117,061.39
40	0.8313	\$1,911,434.09	\$–	\$–
41	0.1997	\$127,224.26	\$–	\$–
42	0.3508	\$791,419.65	\$–	\$–
43	1.0339	\$1,552,642.37	\$–	\$–
44	0.0118	\$–	\$1,620,955.37	\$337,772.41
45	0.2460	\$–	\$444,278.14	\$151,851.85
46	0.0160	\$–	\$1,078,742.36	\$332,181.92
47	–	\$–	\$1,143,187.56	\$343,393.13
48	–	\$–	\$1,189,977.63	\$343,393.13
49	0.6998	\$863,746.92	\$–	\$–
50	0.3281	\$–	\$401,750.63	\$120,035.71
51	1.0775	\$2,219,514.19	\$–	\$–
52	1.2514	\$2,745,212.36	\$–	\$–
53	1.0008	\$2,272,034.22	\$–	\$–
54	0.7065	\$1,602,666.33	\$–	\$–
SUB-TOTAL	155.6482	\$72,463,878.70	\$72,016,700.38	\$–
Road Reserve	–	\$–	\$–	\$–
Road Reserve 1	–	\$–	\$447,178.32	\$343,393.13
Road Reserve 2	–	\$–	\$–	\$–
R3	–	\$–	\$–	\$–
R4	–	\$–	\$–	\$–
R5	–	\$–	\$–	\$–
SUB-TOTAL	–	\$–	\$447,178.32	\$–
TOTALS PSP DON- NYBROOK & WOODSTOCK	155.6482	\$72,463,878.70	\$72,463,878.70	

2.0 INTRODUCTION

The *Donnybrook–Woodstock Infrastructure Contributions Plan* (the ICP) has been prepared by the Victorian Planning Authority (VPA) with the assistance of Whittlesea City Council and Mitchell Shire Council, service authorities and other stakeholders.

This ICP has been incorporated in the Whittlesea and Mitchell Planning Schemes for the purposes of imposing infrastructure contributions on development proponents to contribute to the provision of works, services or facilities and the provision of land for public purposes.

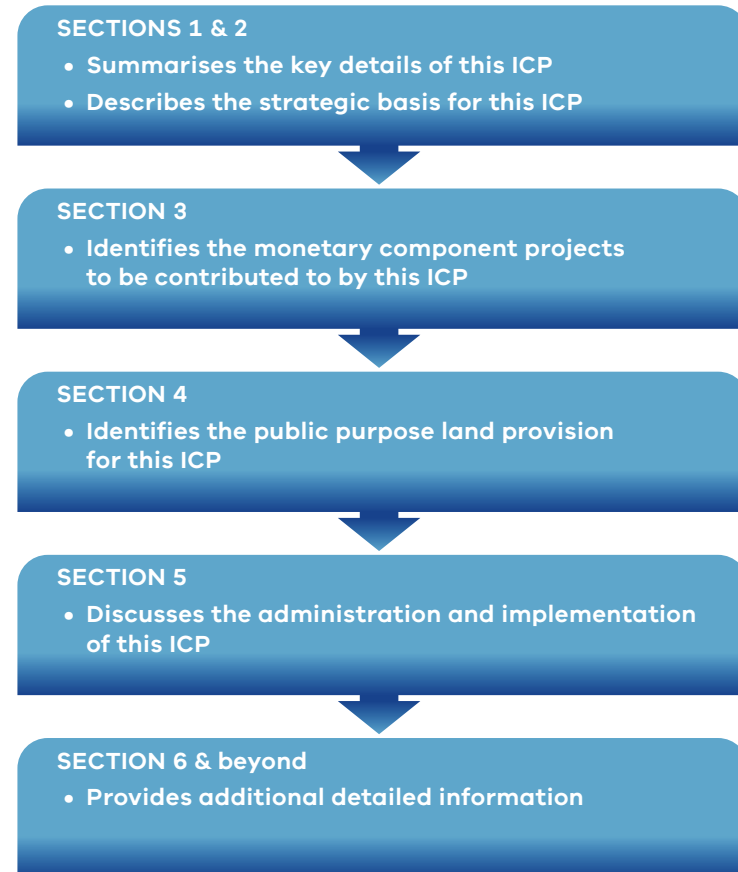
The infrastructure contribution imposed under this ICP in relation to the development of land in the ICP plan area consists of a monetary component and a land component.

The ICP:

- Establishes the statutory mechanism for development proponents to make a monetary contribution towards the cost of infrastructure projects identified in *Donnybrook–Woodstock Precinct Structure Plan* (PSP);
- Establishes the statutory mechanism for development proponents to provide land to be used and developed for the public purposes identified in the Donnybrook–Woodstock PSP;
- Lists the individual infrastructure projects identified in the Donnybrook–Woodstock PSP; and
- Has been prepared in accordance with Part 3AB of the *Planning and Environment Act 1987*, the *Ministerial Direction on the Preparation and Content of Infrastructure Contributions Plans* and the *Infrastructure Contributions Plan Guidelines*.

2.1 Document structure

This document comprises the sections described below.



2.2 Planning and Environment Act 1987

This ICP has been prepared in accordance with Part 3AB of the *Planning and Environment Act 1987* (the Act), it is consistent with the Minister for Planning's *Ministerial Direction on the Preparation and Content of Infrastructure Contributions Plans* made under section 46GJ of the Act.

In accordance with section 46GG of the Act, this ICP has been incorporated in the Whittlesea and Mitchell Planning Schemes for the purposes of imposing infrastructure contributions to fund the provision of works, services or facilities and the provision of land for public purposes. This ICP is implemented in the Whittlesea and Mitchell Planning Schemes through Schedule 1 of Clause 45.11 to the Infrastructure Contributions Overlay and is an incorporated document under Clause 72.04.

2.3 Strategic planning & justification

This ICP has been prepared in conjunction with the Donnybrook–Woodstock Precinct Structure Plan.

The Donnybrook–Woodstock PSP sets out the vision for how land should be developed, illustrates the future urban structure and describes the outcomes to be achieved by the future development. The PSP also identifies the infrastructure projects required as well as providing the rationale and justification for the infrastructure items. The background reports for the PSP provide an overview of the planning process for the Donnybrook–Woodstock ICP area.

The PSP has confirmed:

- All road, intersection and bridge projects required to service the new community;
- The sporting reserves, local parks, schools and community facilities required to service the new community;
- The public purpose land required for the above; and
- The parcel specific land budget detailing the encumbrances, the net developable area (NDA) and the contribution land.

2.4 Timeframe & plan review period

This ICP adopts a long-term outlook for development. It takes into account planned future development in the area. This ICP commences on the date of incorporation into the Whittlesea and Mitchell Planning Schemes. This ICP will end when development within the ICP area is complete, which is projected to be 20 years after gazettal, or when this ICP is removed from the Whittlesea and Mitchell Planning Schemes.

This ICP is expected to be reviewed and updated every five years (or more frequently if required). This review may result in minor changes or have no changes at all, alternatively this may require an amendment to the Whittlesea and Mitchell Planning Schemes to replace this document with an alternative, revised document.

2.5 Area to which this infrastructure contribution plan applies (ICP plan area)

This ICP applies to 1,785.94 total hectares of land as shown in [Plan 1](#), this is the ICP plan area.

The classes of development of land in relation to which an infrastructure contribution is to be imposed under this plan is 'residential'.

The class of development is identified in [Plan 1](#), the net developable area (NDA) and contribution land for the class of development is summarised in [Table 4](#).

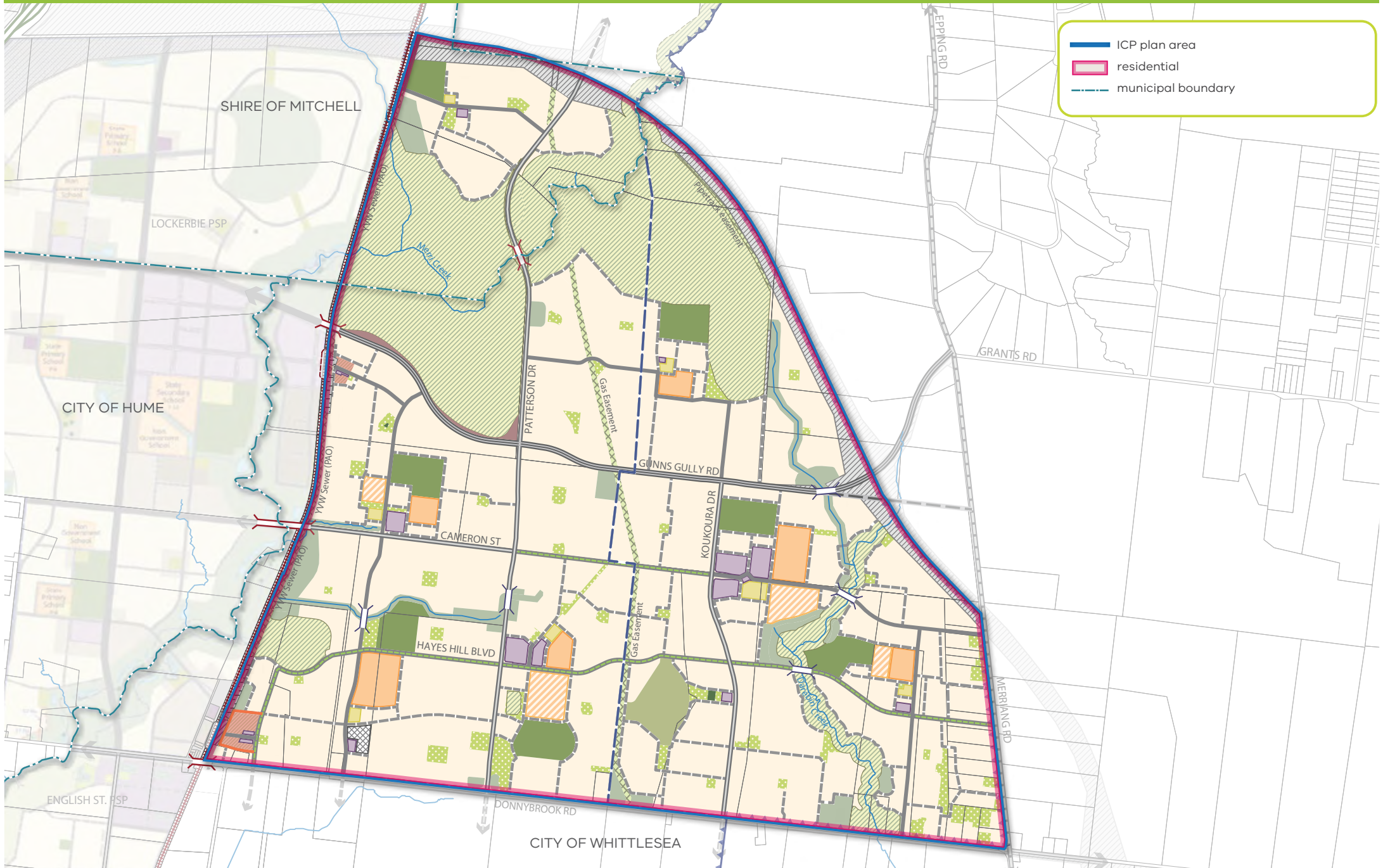
Table 4 Development classes & areas

CLASS OF DEVELOPMENT	NET DEVELOPABLE AREA (HECTARES)	CONTRIBUTION LAND (HECTARES)
Residential	1,032.66	1,188.31
TOTAL FOR ICP PLAN AREA	1,032.66	1,188.31

Notes: Discrepancy in numbers due to rounding of decimal point. [Table 18](#) takes precedence.

The monetary component of the infrastructure contribution is payable on the net developable area.

The land component of the infrastructure contribution is calculated based on the contribution land.



3.0 MONETARY COMPONENT PROJECT IDENTIFICATION

The strategic need for infrastructure included in this ICP has been determined, and been subject to consultation, as part of the preparation of the Donnybrook–Woodstock PSP.

Items can only be included in an ICP if they are consistent with the Allowable Items listed in the *Ministerial Direction on the Preparation and Content of Infrastructure Contributions Plans*. Only items listed in this ICP can be contributed to by the monetary component (standard and supplementary levies) of the infrastructure contribution imposed under this ICP. Infrastructure not listed must be funded via other funding mechanisms.

The monetary component will contribute towards two types of infrastructure projects:

- transport construction
- community and recreation construction.

(Refer to [Plan 2](#), [Plan 3](#) and [Plan 5](#) and [Table 5](#), [Table 6](#) and [Table 7](#)).

[Table 5](#), [Table 6](#), [Table 7](#) and [Table 8](#) also include staging for when the infrastructure projects are expected to be delivered. The infrastructure projects have been identified as short (S), medium (M) and long (L) term stages:

Short (S):	0–5 years approx.
Medium (M):	5–10 years approx.
Long (L):	10 years and beyond

3.1 Cost apportionment & related infrastructure agreements

Some projects within this ICP will require some apportionment external to the ICP area. Projects that have external apportionment as well as the source of the balance of funding external to this ICP are identified in [Table 5](#), [Table 6](#), [Table 7](#) and [Table 8](#).

3.2 Transport construction projects

The transport construction projects included in this ICP are based on the transport network depicted in [Plan 2](#), as identified by the Donnybrook–Woodstock PSP.

The transport construction projects contributed to by the monetary component of this ICP are listed in the following tables.

[Table 5](#) describes the transport construction projects contributed to by the standard levy, the expected staging, the apportionment to this ICP, any external funding source(s) for items not fully apportioned to this ICP, the total estimated cost and the estimated cost per net developable hectare.

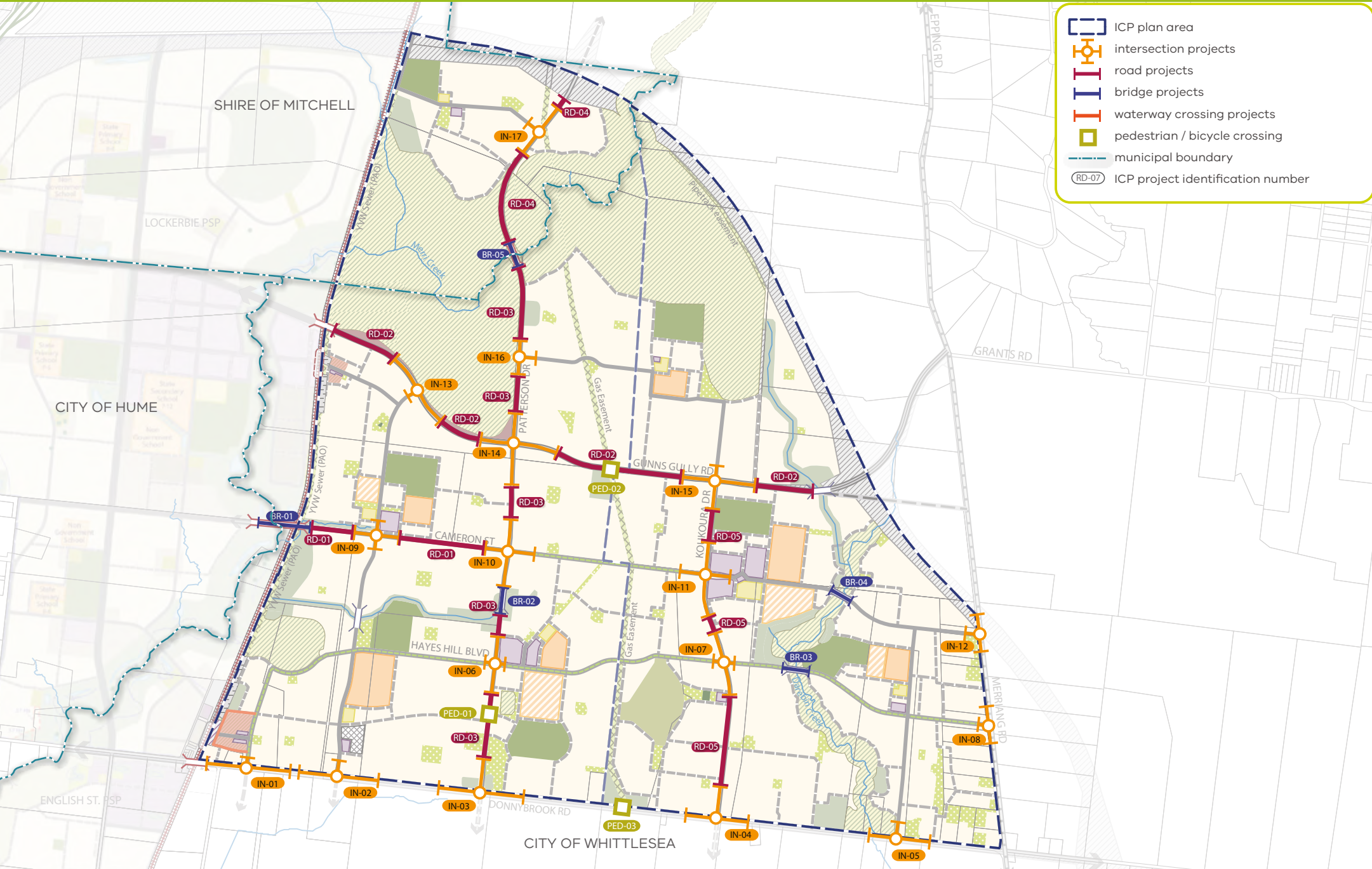


Table 5 Standard levy transport construction projects

Amended
by GC198

ICP PROJECT ID	PROJECT TITLE & DESCRIPTION	STAGING	STANDARD LEVY APPORTIONMENT	NON-STANDARD LEVY APPORTIONMENT AND FUNDING SOURCE	ESTIMATED COST	COST APPORTIONED TO ICP	COST PER HECTARE (NDHA)
ROAD PROJECTS							
RD-01	Cameron Street arterial road (Eastern edge of the Sydney–Melbourne railway overpass to Patterson Drive) Construction of a secondary arterial road (2 lane carriageway), excluding intersections (interim treatment)	M	100%	N/A	\$5,634,326	\$5,634,326	\$5,456
RD-02	Gunns Gully Road arterial road (200 metres from the eastern edge of the Sydney–Melbourne railway overpass to the constructed waterway west of the OMR/E6 reservation) Construction of a primary arterial road (2 lane carriageway), excluding intersections (interim treatment)	M	100%	N/A	\$12,227,738	\$12,227,738	\$11,841
RD-03	Patterson Drive arterial road (Donnybrook Road to Merri Creek) Construction of a secondary arterial road (2 lane carriageway), excluding intersections (interim treatment)	S	100%	N/A	\$10,960,248	\$10,960,248	\$10,614
RD-04	Patterson Drive arterial road (Merri Creek to OMR/E6 reservation) Construction of a secondary arterial road (2 lane carriageway), excluding intersections (interim treatment)	L	100%	N/A	\$4,594,097	\$4,594,097	\$4,449
RD-05	Koukoura Drive arterial road (Donnybrook Road to Gunns Gully Road) Construction of a secondary arterial road (2 lane carriageway), excluding intersections (interim treatment)	S	100%	N/A	\$11,184,850	\$11,184,850	\$10,831
SIGNALISED PEDESTRIAN CROSSING							
Ped-01	Signalised pedestrian crossing Crossing Patterson Drive between Donnybrook Road and Hayes Hill Boulevard associated with the key local access street connecting Donnybrook Station to the non-government P-12 school campus and SR-02.	S	100%	N/A	\$301,612	\$301,612	\$292
Ped-02	Signalised pedestrian crossing Crossing Gunns Gully Road between Koukoura Drive and Patterson Drive associated with the shared path along the gas pipeline easement.	M	100%	N/A	\$301,612	\$301,612	\$292
Ped-03	Signalised pedestrian crossing Crossing Donnybrook Road between Koukoura Drive and Patterson Drive associated with the shared path along the gas pipeline easement connecting south to Northern Quarries PSP.	M	50%	Shenstone Park ICP 50%	\$301,612	\$150,806	\$146

ICP PROJECT ID	PROJECT TITLE & DESCRIPTION	STAGING	STANDARD LEVY APPORTIONMENT	NON-STANDARD LEVY APPORTIONMENT AND FUNDING SOURCE	ESTIMATED COST	COST APPORTIONED TO ICP	COST PER HECTARE (NDHA)
INTERSECTION PROJECTS							
IN-01	Intersection: Donnybrook Road & Hayes Hill Boulevard/ Langley Park Drive (north-south boulevard connector) Construction of a primary arterial to connector road 3-way intersection (interim treatment).	M	100%	N/A	\$6,723,937	\$6,723,937	\$6,511
IN-02	Intersection: Donnybrook Road & connector street (north-south connector) Construction of a primary arterial to connector road 3-way intersection (interim treatment).	M	100%	N/A	\$6,768,611	\$6,768,611	\$6,555
IN-04	Intersection: Donnybrook Road & Koukoura Drive Construction of a primary arterial to a secondary arterial road 3-way intersection (interim treatment).	M	100%	N/A	\$6,798,655	\$6,798,655	\$6,584
IN-05	Intersection: Donnybrook Road & connector street (north-south connector) Construction of a primary arterial to connector road 3-way intersection (interim treatment).	M	100%	N/A	\$5,055,066	\$5,055,066	\$4,895
IN-06	Intersection: Hayes Hill Boulevard & Patterson Drive Construction of a secondary arterial to boulevard connector road 4-way intersection (interim treatment).	L	100%	N/A	\$4,379,230	\$4,379,230	\$4,241
IN-07	Intersection: Hayes Hill Boulevard & Koukoura Drive Construction of a secondary arterial to boulevard connector road 4-way intersection (interim treatment).	M	100%	N/A	\$3,699,247	\$3,699,247	\$3,582
IN-08	Intersection: Hayes Hill Boulevard & Merriang Road Construction of a connector boulevard to secondary arterial 3-way intersection (interim treatment).	M	100%	N/A	\$3,629,327	\$3,629,327	\$3,515
IN-09	Intersection: Cameron Street & Connector Street (north-south connector) Construction of an arterial to connector road 4-way intersection (interim treatment).	M	100%	N/A	\$4,836,236	\$4,836,236	\$4,683
IN-10	Intersection: Cameron Street (arterial west/boulevard connector east) & Patterson Drive (arterial) Construction of secondary arterial to a secondary arterial road 4-way intersection (interim treatment).	M	100%	N/A	\$7,375,722	\$7,375,722	\$7,142
IN-11	Intersection: Cameron Street & Koukoura Drive Construction of a secondary arterial to secondary arterial 4-way intersection (interim treatment).	M	100%	N/A	\$5,222,804	\$5,222,804	\$5,058

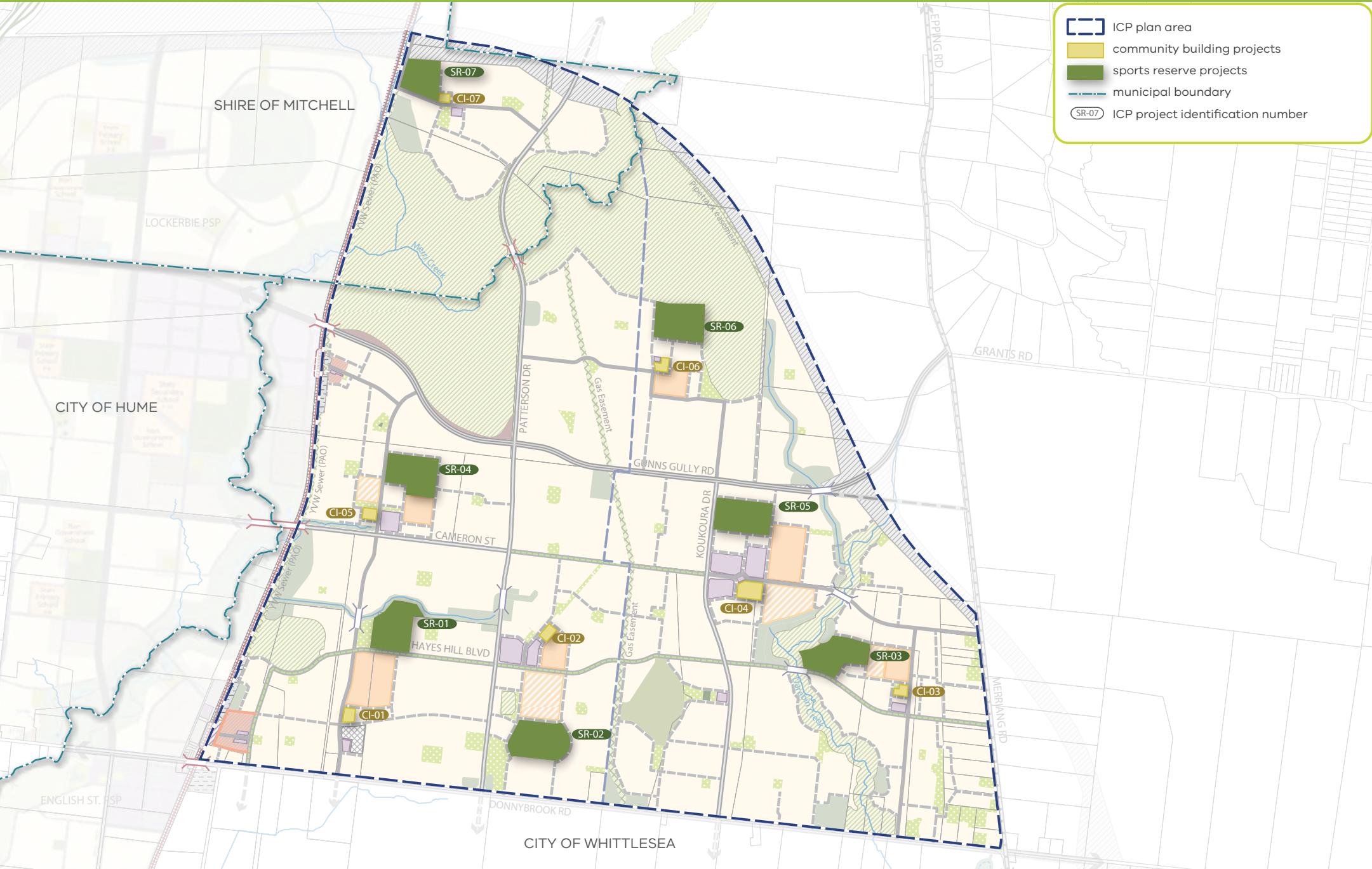
ICP PROJECT ID	PROJECT TITLE & DESCRIPTION	STAGING	STANDARD LEVY APPORTIONMENT	NON-STANDARD LEVY APPORTIONMENT AND FUNDING SOURCE	ESTIMATED COST	COST APPORTIONED TO ICP	COST PER HECTARE (NDHA)
IN-12	Intersection: Cameron Street & Merriang Road Construction of a connector to secondary arterial road 3-way intersection (interim treatment)	M	100%	N/A	\$3,912,002	\$3,912,002	\$3,788
IN-13	Intersection: Gunns Gully Road & connector street (north-south connector) Construction of primary arterial to connector road 3-way intersection (interim treatment)	M	100%	N/A	\$5,838,124	\$5,838,124	\$5,653
IN-14	Intersection: Gunns Gully Road & Patterson Drive Construction of primary arterial to a secondary arterial road 4-way intersection (interim treatment)	M	34.1%	N/A	\$9,808,689	\$3,349,392	\$3,243
IN-15	Intersection: Gunns Gully Road & Koukoura Drive Construction of a primary arterial to a secondary arterial road 4-way intersection (connector road north of Gunns Gully Road) (interim treatment)	M	100%	N/A	\$7,233,697	\$7,233,697	\$7,005
IN-16	Intersection: Patterson Drive/connector street (east-west connector) Construction of secondary arterial to connector road 3-way intersection (interim treatment)	M	100%	N/A	\$3,979,436	\$3,979,436	\$3,854
IN-17	Intersection: Patterson Drive/connector street (east-west connector) Construction of secondary arterial to connector road 3-way intersection (interim treatment)	L	100%	N/A	\$4,275,519	\$4,275,519	\$4,140
					\$135,042,396	\$128,432,293	\$124,370

[Table 6](#) describes the transport construction projects contributed to by the supplementary levy, the expected staging, the apportionment to this ICP, any external funding source(s) for items not fully apportioned to this ICP, the total estimated cost and the estimated cost per net developable hectare.

Table 6 Supplementary levy transport construction projects

Amended
by GC198

ICP PROJECT ID	PROJECT TITLE & DESCRIPTION	STAGING	SUPPLEMENTARY LEVY APPORTIONMENT	NON- SUPPLEMENTARY LEVY APPORTIONMENT AND FUNDING SOURCE	ESTIMATED COST	COST APPORTIONED TO ICP	COST PER HECTARE (NDA)
INTERSECTION PROJECTS							
IN-03	Intersection: Donnybrook Road & Patterson Drive Construction of a primary arterial to secondary arterial road 4-way intersection (interim treatment). The construction cost of the intersection cannot be wholly funded from the standard levy because of the physical conditions of the land, being that service relocation incorporates a significant cost.	S	100%	N/A	\$8,207,414	\$8,207,414	\$7,948
IN-14	Intersection: Gunns Gully Road & Patterson Drive Construction of primary arterial to a secondary arterial road 4-way intersection (interim treatment)	M	65.9%	N/A	\$9,808,689	\$6,459,297	\$6,255
BRIDGE PROJECTS							
BR-01	Bridge: Cameron Street Construction of a 2 lane interim road bridge spanning Merri Creek and Sydney–Melbourne railway.	M	50%	Lockerbie DCP 50%	\$24,952,330	\$12,476,165	\$12,082
BR-02	Culvert: Patterson Drive Construction of a 2 lane interim culvert crossing of constructed waterway.	M	100%	N/A	\$1,077,599	\$1,077,599	\$1,044
BR-03	Culvert/bridge: Hayes Hill Boulevard Construction of a Growling Grass Frog habitat suitable culvert/ bridge crossing of Darebin Creek – 2 lane culvert crossing.	M	100%	N/A	\$4,162,974	\$4,162,974	\$4,031
BR-04	Culvert/bridge: Cameron Street Construction of a Growling Grass Frog habitat suitable culvert/ bridge crossing of Darebin Creek – 2 lane culvert crossing.	M	100%	N/A	\$3,672,360	\$3,672,360	\$3,556
BR-05	Bridge: Patterson Drive Construction of a 2 lane interim bridge crossing of Merri Creek (shared development agency responsibility (City of Whittlesea/ Shire of Mitchell)).	L	100%	N/A	\$8,762,043	\$8,762,043	\$8,485
					\$60,643,409	\$44,817,852	\$43,400



3.3 Community & recreation construction projects

The community and recreation construction projects included in this ICP are consistent with the range of facilities identified in the Donnybrook–Woodstock PSP.

The community and recreation construction projects identified in this ICP are listed in the following table. As there are no allowable supplementary levy items for community and recreation construction, all listed projects will be contributed to from the standard levy. The expected staging, the apportionment to this ICP, any external funding source(s) for items not fully apportioned to this ICP, the total estimated cost and the estimated cost per hectare are shown in the following table.

Table 7 Standard levy community & recreation construction projects

Under *Ministerial Direction on the Preparation and Content of Infrastructure Contributions Plans*, the amount of the total standard levy rate for residential development that may be used for community and recreation construction must not exceed \$92,194 per net developable hectare in the 2021/22 financial year or the indexed amount in subsequent financial years.

Amended
by GC198

ICP PROJECT ID	PROJECT TITLE & DESCRIPTION	STAGING	INTERNAL APPORTIONMENT	APPORTIONMENT FUNDING SOURCE	ESTIMATED COST	COST APPORTIONED TO ICP	COST PER HECTARE (NDHA)
COMMUNITY BUILDING PROJECTS							
CI-01	Donnybrook Farmhouse Community Centre Construction of a Level 2 Community Activity Centre at LCC-1	M–L	98%	\$226,052 from English Street DCP	\$9,501,092	\$9,275,040	\$8,982
CI-02	Patterson Drive Community Centre Construction of a Level 2 Community Activity Centre at LTC-2	S–M	100%	N/A	\$9,501,092	\$9,501,092	\$9,201
CI-03	Darebin Creek Community Centre Construction of a Level 2 Community Activity Centre at LTC-4	M–L	100%	N/A	\$9,501,092	\$9,501,092	\$9,201
CI-04	Koukoura Drive Community Centre (with library) Construction of a Level 3 Community Activity Centre, Family Resource Centre and Branch Library at LTC-1	M–L	100%	N/A	\$12,589,427	\$12,589,427	\$12,191
CI-05	Lockerbie East Community Centre Construction of a Level 2 Community Activity Centre at LTC-3	M–L	100%	N/A	\$9,501,092	\$9,501,092	\$9,201
CI-06	Woodlands Community Centre Construction of a Level 1 Community Activity Centre at LCC-4	M–L	100%	N/A	\$8,094,028	\$8,094,028	\$7,838
CI-07	Merristock Community Centre Construction of a Level 1 Community Activity Centre at LCC-5	M–L	100%	N/A	\$8,094,028	\$8,094,028	\$7,838
OPEN SPACE PROJECTS							
SR-01	Donnybrook Farmhouse Sports Reserve Construction of sports fields (soccer and tennis) and construction of a multi-purpose pavilion (located on Hayes Hill Boulevard near LCC-1)	S–M	87%	\$1,431,647 from English Street DCP	\$11,019,344	\$9,587,697	\$9,284
SR-02	Patterson Drive Sports Reserve Construction of sports fields (AFL/cricket and netball) and construction of a multi-purpose pavilion (located near LTC-2)	S–M	100%	N/A	\$11,019,344	\$11,019,344	\$10,671

ICP PROJECT ID	PROJECT TITLE & DESCRIPTION	STAGING	INTERNAL APPORTIONMENT	APPORTIONMENT FUNDING SOURCE	ESTIMATED COST	COST APPORTIONED TO ICP	COST PER HECTARE (NDHA)
SR-03	Darebin Creek Sports Reserve Construction of sports fields (soccer) and construction of a multi-purpose pavilion (located near LTC-4)	M–L	100%	N/A	\$8,538,797	\$8,538,797	\$8,269
SR-04	Lockerbie East Sports Reserve Construction of sports fields (AFL/cricket and netball) and construction of a multi-purpose pavilion (located near LTC-3)	M–L	100%	N/A	\$11,019,344	\$11,019,344	\$10,671
SR-05	Koukoura Drive Sports Reserve Construction of sports fields (tennis, netball and lawn bowls) and construction of a multi-purpose pavilion (located near LTC-1)	M–L	100%	N/A	\$9,473,344	\$9,473,344	\$9,174
SR-06	Woodlands Sports Reserve Construction of sports fields (soccer) and construction of a multi-purpose pavilion (located near LCC-4)	M–L	100%	N/A	\$11,019,344	\$11,019,344	\$10,671
SR-07	Merristock Sports Reserve Construction of sports fields (AFL) and construction of a multi-purpose pavilion (located near LCC-5)	L	100%	N/A	\$8,535,555	\$8,535,555	\$8,266
					\$137,406,924	\$135,749,225	\$131,456
						CAPPED LEVY	\$92,194

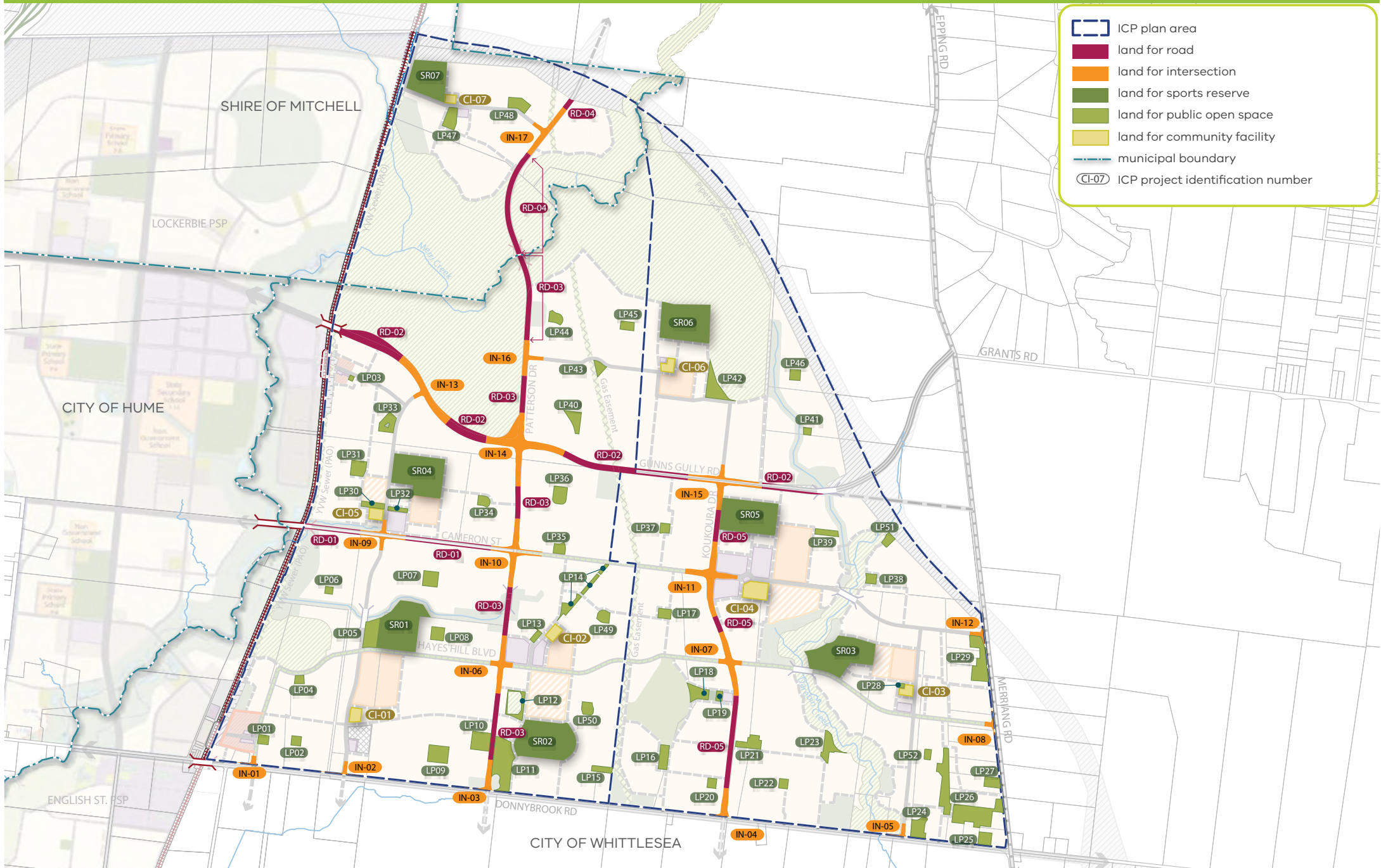
3.4 Project staging

The expected staging of each infrastructure construction item is set out in [Table 5](#), [Table 6](#) and [Table 7](#) and is based on information available at the time that the ICP was prepared. The collecting and development agencies will monitor and assess the required timing for infrastructure projects and have regard to strategic resource plans, the development of the PSP and areas external to the ICP.

The collecting and development agencies may consider alternative staging where:

- Infrastructure is to be constructed / provided by development proponents as works in kind, as agreed by the collecting agency;
- Transport network priorities require the delivery of works or provision of public purpose land to facilitate broader road network connections; and
- Community needs determine a change to the delivery of works or provision of public purpose land for community facilities or open space.

All items in this ICP will be provided as soon as is practicable and as soon as sufficient contributions are available, consistent with this ICP and acknowledging the development agency's capacity to provide the balance of funds not collected by this ICP.



4.0 PUBLIC PURPOSE LAND PROVISION

The public purpose land included in this ICP has been determined, and been subject to consultation, as part of the preparation of the Donnybrook–Woodstock PSP.

Public purpose land specified in an ICP may only be used or developed for an allowable public purpose specified in Annexure 1 to the *Ministerial Direction on the Preparation and Content of Infrastructure Contributions Plans*. Public purpose land may be:

- **inner public purpose land (IPPL)** – land within the ICP plan area that is specified in the ICP as land to be set aside for public purposes; or
- **outer public purpose land (OPPL)** – land outside of the ICP plan area that is specified in the ICP as land to be acquired for public purposes.

Only items listed in this ICP can be provided for by the land component of this ICP. Public purpose land not listed must be funded via other funding mechanisms.

The Minister has exempted the Donnybrook–Woodstock Infrastructure Contributions Plan from complying with Table 7 of Annexure 1 of the *Ministerial Direction on the Preparation and Content of Infrastructure Contributions Plan* dated 1 July 2018 in respect of the land required for project SR-05 (Koukoura Drive Sports Reserve) which is an indoor sports facility. This exemption has been granted on the basis the land for indoor sports facilities was unintentionally excluded from the Ministerial Direction when it was revised as a result of the commencement of the *Planning and Environment Amendment (Public Land Contributions) Act 2018*.

4.1 Inner & outer public purpose land

[Plan 4](#) shows the location of public purposes land (both inner and outer) as well as the type of allowable public purposes for which it may be used and developed.

[Table 8](#) specifies for each public purpose land (both inner and outer) the type of allowable public purposes for which it may be used and developed, the area and the expected staging. The staging for public purposes land is the same as the monetary component specified in section 3.

The IPPL forming part of each parcel of land is specified in [Table 11](#).

Public open space contributions

The overall open space contribution for this ICP is identified in land budget [Table 17](#) and [Table 18](#). This ICP provides for the provision of public purpose land for local sports reserves and local parks. The community and recreation levy of the monetary component contributes towards the construction of local sports reserves. The construction of local parks is considered developer works and separate from this ICP.

Table 8 Inner public purpose land

ICP PROJECT ID	PROJECT TITLE & DESCRIPTION	INNER PUBLIC PURPOSE LAND AREA (HA)	STAGING
TRANSPORT (INNER PUBLIC PURPOSE LAND)			
RD-01	Cameron Street (Eastern edge of the Sydney–Melbourne Railway overpass to Patterson Drive) Provision of land for widening of existing road reservation to create 34m wide ultimate road reservation.	1.25	M–L
RD-02	Gunns Gully Road (Eastern edge of the Sydney–Melbourne Railway overpass to E6/OMR reservation) Provision of land to create road reservation to create 41m wide ultimate road reservation.	9.26	M–L
RD-03	Patterson Drive (Donnybrook Road to Merri Creek) Provision of land for widening of existing road reservation to create 34m wide ultimate road reservation.	5.61	M–L
RD-04	Patterson Drive (Merri Creek to OMR/E6 reservation) Provision of land for widening of existing road reservation to create 34m wide ultimate road reservation.	2.72	L
RD-05	Koukoura Drive (Donnybrook Road to Gunns Gully Road) Provision of land for widening of existing 34m wide ultimate road reservation.	3.23	S–M
IN-01	Donnybrook Road & Hayes Hill Boulevard/Langley Park Drive (arterial – boulevard connector/connector street) Provision of land for ultimate alignment.	0.23	S–M
IN-02	Donnybrook Road & north–south connector street (arterial – connector street) Provision of land for ultimate alignment.	0.31	S–M
IN-03	Donnybrook Road & Patterson Drive (arterial – arterial) Provision of land for ultimate alignment.	0.88	S–M
IN-04	Donnybrook Road & Koukoura Drive (arterial – arterial) Provision of land ultimate alignment.	0.91	S–M
IN-05	Donnybrook Road / north–south connector street (arterial – connector street T) Provision of land for ultimate alignment.	0.28	S–M
IN-06	Patterson Drive & Hayes Hill Boulevard (arterial – boulevard connector street) Provision of land for ultimate alignment.	1.81	M–L
IN-07	Koukoura Drive & Hayes Hill Boulevard (arterial – boulevard connector street) Provision of land for ultimate alignment.	2.09	M–L
IN-08	Hayes Hill Boulevard & Merriang Road (boulevard connector street – 2 lane arterial) Provision of land for ultimate alignment.	0.27	M–L
IN-09	Cameron Street & Connector Street (arterial – connector street) Provision of land for ultimate alignment.	0.93	M–L
IN-10	Cameron Street & Patterson Drive (arterial – arterial) Provision of land for ultimate alignment.	2.52	M–L
IN-11	Koukoura Drive & Cameron Street (arterial – connector street) Provision of land for ultimate alignment.	3.05	M–L
IN-12	Cameron Street & Merriang Road (connector street – 2 lane arterial) Provision of land for ultimate alignment.	0.34	M–L
IN-13	Gunns Gully Road & Connector Street (arterial – connector street T) Provision of land for ultimate alignment.	2.39	M–L

ICP PROJECT ID	PROJECT TITLE & DESCRIPTION	INNER PUBLIC PURPOSE LAND AREA (HA)	STAGING
IN-14	Gunns Gully Road & Patterson Drive (arterial – arterial) Provision of land for ultimate alignment.	4.36	M–L
IN-15	Gunns Gully Road & Koukoura Drive (arterial – arterial/connector nth of Gunns Gully Road) Provision of land for ultimate alignment.	2.23	M–L
IN-16	Patterson Drive & Connector St (arterial – connector street T) Provision of land for ultimate alignment.	2.25	M–L
IN-17	Patterson Drive & Connector St (arterial – connector street T) Provision of land for ultimate alignment.	0.94	M–L
SUB-TOTAL		47.86	
COMMUNITY & RECREATION (INNER PUBLIC PURPOSE LAND)			
CI-01	Donnybrook Farmhouse Community Activity Centre Provision of land	0.82	M–L
CI-02	Patterson Drive Community Activity Centre Provision of land	0.80	S–M
CI-03	Darebin Creek Community Activity Centre Provision of land	0.68	M–L
CI-04	Koukoura Drive Community Activity Centre Provision of land	2.00	M–L
CI-05	Lockerbie East Community Activity Centre Provision of land	0.80	M–L
CI-06	Woodlands Community Activity Centre Provision of land	0.80	M–L
CI-07	Merristock Community Activity Centre Provision of land	0.50	M–L
SUB-TOTAL		6.40	
OPEN SPACE (INNER PUBLIC PURPOSE LAND)			
SR-01	Donnybrook Farmhouse Sports Reserve Provision of land for a sporting reserve	8.10	S–M
SR-02	Patterson Drive Sports Reserve Provision of land for a sporting reserve	9.01	S–M
SR-03	Darebin Creek Sports Reserve Provision of land for a sporting reserve	8.00	M–L
SR-04	Lockerbie East Sports Reserve Provision of land for a sporting reserve	8.03	M–L
SR-05	Koukoura Drive Sports Reserve Provision of land for a sporting reserve including land for an indoor sports centre.	8.01	M–L

ICP PROJECT ID	PROJECT TITLE & DESCRIPTION	INNER PUBLIC PURPOSE LAND AREA (HA)	STAGING
SR-06	Woodlands Sports Reserve Provision of land for a sporting reserve	8.00	M-L
SR-07	Merristock Sports Reserve Provision of land for a sporting reserve	5.65	L
LP-01	Local park Provision of land	0.43	M-L
LP-02	Local park Provision of land	0.41	M-L
LP-03	Local park Provision of land	0.10	M-L
LP-04	Local park Provision of land	0.34	M-L
LP-05	Local park Provision of land	1.68	M-L
LP-06	Local park Provision of land	0.25	M-L
LP-07	Local park Provision of land	1.00	M-L
LP-08	Local park Provision of land	0.75	M-L
LP-09	Local park Provision of land	1.50	M-L
LP-10	Local park Provision of land	1.48	M-L
LP-11	Local park Provision of land	3.75	M-L
LP-12	Local park Provision of land	0.66	M-L
LP-13	Local park Provision of land	0.30	M-L
LP-14	Local park Provision of land	1.22	M-L
LP-15	Local park Provision of land	0.52	M-L
LP-16	Local park Provision of land	0.95	M-L
LP-17	Local park Provision of land	0.55	M-L

ICP PROJECT ID	PROJECT TITLE & DESCRIPTION	INNER PUBLIC PURPOSE LAND AREA (HA)	STAGING
LP-18	Local park Provision of land	1.07	M-L
LP-19	Local park Provision of land	0.27	M-L
LP-20	Local park Provision of land	0.38	M-L
LP-21	Local park Provision of land	1.06	M-L
LP-22	Local park Provision of land	0.38	M-L
LP-23	Local park Provision of land	1.20	M-L
LP-24	Local park Provision of land	1.16	M-L
LP-25	Local park Provision of land	0.71	M-L
LP-26	Local park Provision of land	6.06	M-L
LP-27	Local park Provision of land	0.70	M-L
LP-28	Local park Provision of land	0.10	M-L
LP-29	Local park Provision of land	2.34	M-L
LP-30	Local park Provision of land	0.54	M-L
LP-31	Local park Provision of land	0.97	M-L
LP-32	Local park Provision of land	0.34	M-L
LP-33	Local park Provision of land	1.03	M-L
LP-34	Local park Provision of land	0.50	M-L
LP-35	Local park Provision of land	0.53	M-L
LP-36	Local park Provision of land	1.00	M-L

ICP PROJECT ID	PROJECT TITLE & DESCRIPTION	INNER PUBLIC PURPOSE LAND AREA (HA)	STAGING
LP-37	Local park Provision of land	0.41	M-L
LP-38	Local park Provision of land	0.45	M-L
LP-39	Local park Provision of land	0.58	M-L
LP-40	Local park Provision of land	0.91	M-L
LP-41	Local park Provision of land	0.25	M-L
LP-42	Local park Provision of land	1.67	M-L
LP-43	Local park Provision of land	0.46	M-L
LP-44	Local park Provision of land	0.61	M-L
LP-45	Local park Provision of land	0.51	M-L
LP-46	Local park Provision of land	0.50	M-L
LP-47	Local park Provision of land	1.03	M-L
LP-48	Local park Provision of land	1.01	M-L
LP-49	Local park Provision of land	0.60	M-L
LP-50	Local park Provision of land	0.60	M-L
LP-51	Local park Provision of land	0.45	M-L
LP-52	Local park Provision of land	0.31	M-L
SUB-TOTAL		101.39	
TOTAL		155.65	

4.1.1 Public open space contributions

The overall open space contribution for this ICP is identified in land budget Table 17 and Table 18. This ICP provides for the provision of public purpose land for local sports reserves and local parks. The community and recreation levy of the monetary component contributes towards the construction of local sports reserves. The construction of local parks is considered developer works and separate from this ICP.

4.2 Land component

The following table summarises for each class of development specified in this ICP:

- The total area of contribution land
- The total area of transport inner public purpose land
- The total area of community and recreation inner public purpose land
- The total area of inner public purpose land
- The total area of outer public purpose land
- The ICP land contribution percentage.

Table 9 Public purposes land summary

CLASS OF DEVELOPMENT	TOTAL CONTRIBUTION LAND (HA)	TRANSPORT PUBLIC PURPOSES LAND (HA)	COMMUNITY AND RECREATION & OPEN SPACE PUBLIC PURPOSES LAND (HA)	TOTAL INNER PUBLIC PURPOSES LAND (HA)	TOTAL OUTER PUBLIC PURPOSES LAND (HA)	TOTAL PUBLIC PURPOSES LAND (HA)	TOTAL ICP CONTRIBUTION PERCENTAGE
Residential (hectare)	1,188.31	47.86	107.79	155.65	0.00	155.65	13.10%
Total	1,188.31	47.86	107.79	155.65	0.00	155.65	

The ICP land contribution percentage for a class of development is calculated by dividing the total area of public purpose land specified in this ICP that is attributable to that class of development by the total area of the contribution land in the ICP plan area in that class of development.

Where the need for a type of public purposes land is attributable to more than one class of development (for example, transport public purpose land), each development class's share of the public purpose land is equal to its proportion of the total contribution land.

As public purpose land cannot be evenly distributed across all parcels, 155.47 hectares of inner public purpose land identified in [Table 9](#), will be equalised by parcels that are required to provide less than the ICP land contribution percentage identified in [Table 9](#).

[Table 10](#) summarises for each class of development specified in this ICP:

- total amount of IPPL (in hectares) that is provided over the ICP land contribution percentage;
- the total value of the credits for the IPPL over the ICP land contribution percentage;
- the total estimated value for any OPPL, the total land equalisation to be paid (IPPL credits plus OPPL estimated value);
- the total amount of IPPL that is equal to or less than the ICP land contribution percentage (this is IPPL (Ha) to be directly provided by each parcel and this land is not entitled to a credit); and
- the land equalisation rate (total land equalisation value divided by the total IPPL under the ICP land contribution percentage).

The land equalisation rate (\$ per hectare) is used to determine the land equalisation amount specified in [Table 11](#). The land equalisation amount is required to be paid by parcels which have a land contribution percentage that is less than the ICP land contribution percentage.

[Table 11](#) specifies for each parcel of land in the ICP plan area:

- the area of IPPL forming part of the parcel
- the type of public purpose for which that IPPL may be used and developed
- the parcel contribution percentage
- the number of hectares that the parcel contribution percentage is above (land credit) or below (land equalisation) the ICP land contribution percentage
- a land credit amount or land equalisation amount
- the land equalisation amount expressed as a rate per net developable hectares in the parcel.

Table 10 ICP land equalisation rate

CLASS OF DEVELOPMENT	TOTAL IPPL (HA) EQUAL TO OR LESS THAN ICP LAND CONTRIBUTION PERCENTAGE	TOTAL IPPL (HA) OVER ICP LAND CONTRIBUTION PERCENTAGE	TOTAL IPPL LAND CREDIT AMOUNT (FOR 'OVER' LAND)	TOTAL OUTER LAND ESTIMATED VALUE	TOTAL LAND EQUALISATION TO BE PAID	LAND EQUALISATION RATE (\$ PER HA)
Residential (Ha)	128.01	27.64	\$72,463,878.70	\$0.00	\$72,463,878.70	\$2,621,667.40
Total	128.01	27.64	\$72,463,878.70	\$0.00	\$72,463,878.70	\$2,621,667.40

Amended
by GC198

Table 11 Public purpose land credit & equalisation amounts

PSP PARCEL ID	TOTAL CONTRIBUTION AREA (HECTARES)	CLASS OF DEVELOPMENT	ICP LAND CONTRIBUTION PERCENTAGE (HECTARES)	PUBLIC PURPOSE LAND				PARCEL CONTRIBUTION PERCENTAGE	LAND CREDIT AMOUNT		LAND EQUALISATION AMOUNT		
				TRANSPORT (HECTARES)	RESIDENTIAL COMMUNITY & OPEN SPACE (HECTARES)	COMMERCIAL & INDUSTRIAL COMMUNITY AND RECREATION & OPEN SPACE (HECTARES)	PARCEL CONTRIBUTION – TOTAL (HECTARES)		HECTARES	TOTAL \$	HECTARES	TOTAL \$	\$ PER NDHA
1	–	Residential	–	–	–	–	–	0.00%	–	\$0.00	–	\$0.00	\$0.00
2	–	Residential	–	–	–	–	–	0.00%	–	\$0.00	–	\$0.00	\$0.00
3	64.6642	Residential	8.4699	2.3446	8.1812	–	10.5258	16.28%	2.0559	\$5,520,541.38	–	\$0.00	\$0.00
4	–	Residential	–	–	–	–	–	0.00%	–	\$0.00	–	\$0.00	\$0.00
5	–	Residential	–	–	–	–	–	0.00%	–	\$0.00	–	\$0.00	\$0.00
6	16.0695	Residential	2.1048	1.9748	–	–	1.9748	12.29%	–	\$0.00	0.1300	\$340,939.58	\$24,189.20
7	54.4326	Residential	7.1297	10.2142	1.1330	–	11.3472	20.85%	4.2175	\$9,809,129.53	–	\$0.00	\$0.00
8	95.0107	Residential	12.4448	7.5436	2.4901	–	10.0338	10.56%	–	\$0.00	2.4110	\$6,320,836.08	\$74,382.93
9	50.6016	Residential	6.6279	0.8831	10.6804	–	11.5635	22.85%	4.9356	\$12,701,577.52	–	\$0.00	\$0.00
10	58.2116	Residential	7.6247	2.7289	2.0300	–	4.7589	8.18%	–	\$0.00	2.8658	\$7,513,206.67	\$140,558.13
11	14.7392	Residential	1.9306	0.2525	0.2500	–	0.5025	3.41%	–	\$0.00	1.4281	\$3,744,064.30	\$262,986.43
12	0.9926	Residential	0.1300	–	–	–	–	0.00%	–	\$0.00	0.1300	\$340,864.16	\$343,393.13
13	3.6064	Residential	0.4724	–	–	–	–	0.00%	–	\$0.00	0.4724	\$1,238,410.86	\$343,393.13
14	0.7914	Residential	0.1037	0.0249	–	–	0.0249	3.15%	–	\$0.00	0.0787	\$206,425.88	\$269,322.49
15	17.3875	Residential	2.2775	0.2058	0.4311	–	0.6369	3.66%	–	\$0.00	1.6406	\$4,301,128.60	\$256,773.70
16	28.9377	Residential	3.7903	0.0125	0.7500	–	0.7625	2.63%	–	\$0.00	3.0278	\$7,938,015.06	\$281,737.13
17	62.8850	Residential	8.2369	2.3552	6.0016	–	8.3568	13.29%	0.1199	\$337,413.72	–	\$0.00	\$0.00
18	1.1384	Residential	0.1491	0.0236	–	–	0.0236	2.08%	–	\$0.00	0.1255	\$328,987.48	\$295,108.95

PSP PARCEL ID	TOTAL CONTRIBUTION AREA (HECTARES)	CLASS OF DEVELOPMENT	ICP LAND CONTRIBUTION PERCENTAGE (HECTARES)	PUBLIC PURPOSE LAND				PARCEL CONTRIBUTION PERCENTAGE	LAND CREDIT AMOUNT		LAND EQUALISATION AMOUNT		
				TRANSPORT (HECTARES)	RESIDENTIAL COMMUNITY & RECREATION & OPEN SPACE (HECTARES)	COMMERCIAL & INDUSTRIAL COMMUNITY AND RECREATION & OPEN SPACE (HECTARES)	PARCEL CONTRIBUTION – TOTAL (HECTARES)		HECTARES	TOTAL \$	HECTARES	TOTAL \$	\$ PER NDHA
19	82.6230	Residential	10.8222	2.2062	9.3415	–	11.5477	13.98%	0.7255	\$1,871,842.78	–	\$0.00	\$0.00
20	111.7862	Residential	14.6421	3.3562	17.4657	–	20.8219	18.63%	6.1799	\$14,997,017.85	–	\$0.00	\$0.00
21	1.9786	Residential	0.2592	–	–	–	–	0.00%	–	\$0.00	0.2592	\$679,424.40	\$343,393.13
22	–	Residential	–	–	–	–	–	0.00%	–	\$0.00	–	\$0.00	\$0.00
23	–	Residential	–	–	–	–	–	0.00%	–	\$0.00	–	\$0.00	\$0.00
24	–	Residential	–	–	–	–	–	0.00%	–	\$0.00	–	\$0.00	\$0.00
25	69.5598	Residential	9.1111	1.2527	10.4738	–	11.7265	16.86%	2.6153	\$6,733,621.50	–	\$0.00	\$0.00
26	8.6731	Residential	1.1360	–	0.5000	–	0.5000	5.76%	–	\$0.00	0.6360	\$1,667,452.97	\$204,016.93
27	–	Residential	–	–	–	–	–	0.00%	–	\$0.00	–	\$0.00	\$0.00
28	10.5902	Residential	1.3871	–	0.2500	–	0.2500	2.36%	–	\$0.00	1.1372	\$2,981,283.27	\$288,319.32
29	12.7745	Residential	1.6732	0.0662	–	–	0.0662	0.52%	–	\$0.00	1.6070	\$4,213,124.21	\$331,525.60
30A	8.5960	Residential	1.1259	0.1854	–	–	0.1854	2.16%	–	\$0.00	0.9405	\$2,465,682.55	\$293,165.62
30B	90.3492	Residential	11.8342	3.7527	9.8984	–	13.6511	15.11%	1.8169	\$4,528,993.05	–	\$0.00	\$0.00
31	38.0961	Residential	4.9899	–	1.6191	–	1.6191	4.25%	–	\$0.00	3.3708	\$8,837,144.34	\$242,266.44
32	78.7068	Residential	10.3092	7.5774	3.4749	–	11.0523	14.04%	0.7431	\$1,877,846.98	–	\$0.00	\$0.00
33	86.6286	Residential	11.3469	0.0028	10.7728	–	10.7756	12.44%	–	\$0.00	0.5713	\$1,497,745.79	\$19,745.35
34	0.4115	Residential	0.0539	–	–	–	–	0.00%	–	\$0.00	0.0539	\$141,311.95	\$343,393.13
35	0.6567	Residential	0.0860	–	–	–	–	0.00%	–	\$0.00	0.0860	\$225,502.47	\$343,393.13
36	26.6708	Residential	3.4934	0.2789	0.7838	–	1.0628	3.98%	–	\$0.00	2.4307	\$6,372,390.13	\$248,842.89

PSP PARCEL ID	TOTAL CONTRIBUTION AREA (HECTARES)	CLASS OF DEVELOPMENT	ICP LAND CONTRIBUTION PERCENTAGE (HECTARES)	PUBLIC PURPOSE LAND				PARCEL CONTRIBUTION PERCENTAGE	LAND CREDIT AMOUNT		LAND EQUALISATION AMOUNT		
				TRANSPORT (HECTARES)	RESIDENTIAL COMMUNITY & RECREATION & OPEN SPACE (HECTARES)	COMMERCIAL & INDUSTRIAL COMMUNITY AND RECREATION & OPEN SPACE (HECTARES)	PARCEL CONTRIBUTION – TOTAL (HECTARES)		HECTARES	TOTAL \$	HECTARES	TOTAL \$	\$ PER NDHA
37	42.0002	Residential	5.5013	0.1914	3.8596	–	4.0510	9.65%	–	\$0.00	1.4503	\$3,802,136.28	\$100,190.17
38	2.6049	Residential	0.3412	–	–	–	–	0.00%	–	\$0.00	0.3412	\$894,503.00	\$343,393.13
39	0.8192	Residential	0.1073	0.0740	–	–	0.0740	9.04%	–	\$0.00	0.0333	\$87,228.68	\$117,061.39
40	2.4951	Residential	0.3268	0.0763	0.7550	–	0.8313	33.32%	0.5044	\$1,911,434.09	–	\$0.00	\$0.00
41	1.3399	Residential	0.1755	–	0.1997	–	0.1997	14.91%	0.0242	\$127,224.26	–	\$0.00	\$0.00
42	1.4153	Residential	0.1854	–	0.3508	–	0.3508	24.78%	0.1654	\$791,419.65	–	\$0.00	\$0.00
43	4.0482	Residential	0.5302	–	1.0339	–	1.0339	25.54%	0.5037	\$1,552,642.37	–	\$0.00	\$0.00
44	4.8108	Residential	0.6301	0.0118	–	–	0.0118	0.25%	–	\$0.00	0.6183	\$1,620,955.37	\$337,772.41
45	3.1717	Residential	0.4154	0.2460	–	–	0.2460	7.76%	–	\$0.00	0.1695	\$444,278.14	\$151,851.85
46	3.2634	Residential	0.4275	0.0160	–	–	0.0160	0.49%	–	\$0.00	0.4115	\$1,078,742.36	\$332,181.92
47	3.3291	Residential	0.4361	–	–	–	–	0.00%	–	\$0.00	0.4361	\$1,143,187.56	\$343,393.13
48	3.4654	Residential	0.4539	–	–	–	–	0.00%	–	\$0.00	0.4539	\$1,189,977.63	\$343,393.13
49	3.5670	Residential	0.4672	–	0.6998	–	0.6998	19.62%	0.2325	\$863,746.92	–	\$0.00	\$0.00
50	3.6751	Residential	0.4814	–	0.3281	–	0.3281	8.93%	–	\$0.00	0.1532	\$401,750.63	\$120,035.71
51	2.7224	Residential	0.3566	–	1.0775	–	1.0775	39.58%	0.7209	\$2,219,514.19	–	\$0.00	\$0.00
52	2.6137	Residential	0.3423	–	1.2514	–	1.2514	47.88%	0.9090	\$2,745,212.36	–	\$0.00	\$0.00
53	2.0451	Residential	0.2679	–	1.0008	–	1.0008	48.94%	0.7329	\$2,272,034.22	–	\$0.00	\$0.00
54	2.0529	Residential	0.2689	–	0.7065	–	0.7065	34.42%	0.4377	\$1,602,666.33	–	\$0.00	\$0.00
SUB-TOTAL	1,187.0088		155.4776	47.8577	107.7905	–	155.6482		27.6404	\$72,463,878.70	27.4698	\$72,016,700.38	

PSP PARCEL ID	TOTAL CONTRIBUTION AREA (HECTARES)	CLASS OF DEVELOPMENT	ICP LAND CONTRIBUTION PERCENTAGE (HECTARES)	PUBLIC PURPOSE LAND				PARCEL CONTRIBUTION PERCENTAGE	LAND CREDIT AMOUNT		LAND EQUALISATION AMOUNT		
				TRANSPORT (HECTARES)	RESIDENTIAL COMMUNITY & RECREATION & OPEN SPACE (HECTARES)	COMMERCIAL & INDUSTRIAL COMMUNITY AND RECREATION & OPEN SPACE (HECTARES)	PARCEL CONTRIBUTION – TOTAL (HECTARES)		HECTARES	TOTAL \$	HECTARES	TOTAL \$	\$ PER NDHA
ROAD RESERVE													
Road Reserve 1	1.3022	Residential	0.1706	–	–	–	–	0.00%	–		0.1706	\$447,178.32	\$343,393.13
Road Reserve 2	–	Residential	–	–	–	–	–	0.00%	–		–	\$0.00	\$0.00
R3	–	Residential	–	–	–	–	–	0.00%	–		–	\$0.00	\$0.00
R4	–	Residential	–	–	–	–	–	0.00%	–		–	\$0.00	\$0.00
R5	–	Residential	–	–	–	–	–	0.00%	–		–	\$0.00	\$0.00
SUB-TOTAL	1.3022		0.1706	–	–	–	–	–	–	\$–	0.1706	\$447,178.32	
TOTALS PSP DONNYBROOK & WOODSTOCK	1,188.3111	–	155.6482	47.8577	107.7905	–	155.6482	–	27.6404	\$72,463,878.70	27.6404	\$72,463,878.70	
Residential Total	1,188.3111	–	155.6482	47.8577	107.7905	–	155.6482	13.0983%	27.6404	\$72,463,878.70	27.6404	\$72,463,878.70	
Residential Equalisation Rate	–	–	–	–	–	–	–	–	–	\$2,621,667.40			

5.0 CONTRIBUTIONS & ADMINISTRATION

5.1 Collecting agency

The City of Whittlesea and the Shire of Mitchell are the collecting agencies for the purposes of Part 3AB of the *Planning and Environment Act 1987* (the Act) and this ICP. The monetary component and any land equalisation amount of an infrastructure contribution imposed under this ICP must be paid to the collecting agency. As a collecting agency, the City of Whittlesea and the Shire of Mitchell are responsible for the administration and enforcement of this ICP, including the payment of land credit amounts, in accordance with Part 3AB of the Act.

5.2 Development agency

The City of Whittlesea and the Shire of Mitchell are the development agencies for the purposes of Part 3AB of the Act and this ICP. The development agency is responsible provision of the infrastructure projects and acquisition of outer public purpose land identified in this ICP. As a development agency, the City of Whittlesea and the Shire of Mitchell are also responsible for the proper administration of this ICP in accordance with Part 3AB of the Act.

5.3 Net developable area

The monetary component of metropolitan greenfield growth area ICPs are payable on the net developable area (NDA) of land on any given development site (NDA is defined in [APPENDIX 1 DEFINITIONS](#)).

To align with the classes of development specified in this ICP, the NDA is divided into:

- **net developable area – residential (NDA–R)** – the NDA for the residential class of development
- **net developable area – employment (NDA–E)** – the NDA for the commercial and industrial class of development.

The NDA for this ICP has been calculated in [Table 17](#) and [Table 18](#). [Table 17](#) is the summary land use budget which summarises the land requirements and net developable area for the ICP plan area as a whole. [Table 18](#) is the parcel specific land use budget which specifies the net developable area and land requirements for each parcel of land in the ICP plan area.

For the purposes of this ICP, the number of net developable hectares will only change if the collecting agency agrees to a variation to the parcel specific land budget and associated tables in the PSP and ICP.

5.4 Contribution land

The land component of the infrastructure contribution is calculated based on the contribution land.

The contribution land specified in this ICP is the land in the ICP plan area in respect of which an infrastructure contribution is to be imposed under this plan if any of that land is developed. It excludes encumbered land, land already used or developed for a public purpose and land that is exempt from paying an infrastructure contribution under the *Ministerial Direction on the Preparation and Content of Infrastructure Contributions Plans*. It includes the net developable area and inner public purpose land.

The contribution land in the ICP plan area is specified in [Table 17](#) and [Table 18](#).

5.5 Levy rates and classes of development

Annexure 1 to the *Ministerial Direction on the Preparation and Content of Infrastructure Contributions Plans* specifies standard levy rates for two classes development for metropolitan greenfield growth areas – ‘residential development’ and ‘commercial and industrial development’

[Table 12](#) specifies the standard levy rate for each class of development:

- the classes of development
- the standard levy rate that applies to each class of development

Table 12 Classes of development & standard levy rates

CLASS OF DEVELOPMENT	TRANSPORT CONSTRUCTION	COMMUNITY & RECREATION CONSTRUCTION	TOTAL STANDARD LEVY RATE
Residential	\$124,370	\$92,194	\$216,564

[Table 13](#) specifies the supplementary levy rate for each class of development.

Amended
by GC198

Amended
by GC198

Table 13 Classes of development & supplementary levy rates

CLASS OF DEVELOPMENT	TRANSPORT CONSTRUCTION	COMMUNITY & RECREATION CONSTRUCTION	TOTAL SUPPLEMENTARY LEVY RATE
Residential	\$43,400	\$0	\$43,400

The total levy rates (standard and supplementary) for the classes of development are specified in [Table 14](#).

Amended
by GC198

Table 14 Classes of development & monetary component total levy rates

CLASS OF DEVELOPMENT	TRANSPORT CONSTRUCTION	COMMUNITY & RECREATION CONSTRUCTION	TOTAL LEVY RATE
Residential	\$167,770	\$92,194	\$259,964

5.6 Estimated value of public purpose land

Amended
by GC198

A land credit amount specified in this ICP is based on the estimated value of the inner public purpose land in that parcel of land determined in accordance with Part 3AB of the Act and the *Ministerial Direction on the Preparation and Content of Infrastructure Contributions Plans (February 2021)* and the *Infrastructure Contributions Plan Guidelines* (Ministerial Direction).

The component of a land equalisation amount specified in this ICP that relates to any outer public purpose land is based on the estimated value of the outer public purpose land determined in accordance with the method specified in the Ministerial Direction.

The component of a land equalisation amount specified in this ICP that relates to any inner public purpose land is based on the estimated value of land credit amounts for inner public purpose land.

The estimated value of inner public purpose land in a parcel of land is required to be calculated when the parcel contribution percentage of that land is more than the ICP land contribution percentage for the class of development.

The parcels of land with a land contribution percentage that is more than the ICP public land contribution percentage are identified in [Table 11](#).

5.7 Payment of contributions

5.7.1 Timing of payment of monetary component & land equalisation amounts

Subdivision of land

If the development of the land involves a plan under the *Subdivision Act 1988*, the monetary component (standard levy and supplementary levy) and any land equalisation amount of an infrastructure contribution must be paid to the collecting agency for the land after certification of the relevant plan of subdivision but cannot be required more than 21 days prior to the issue of a Statement of Compliance with respect to that plan.

If the subdivision is to be developed in stages, only the monetary component and any land equalisation amount for the stage to be developed is required paid to the collecting agency within 21 days prior to the issue of a Statement of Compliance for that stage, provided that a Schedule of Infrastructure Contributions is submitted with each stage of the plan of subdivision. The Schedule must show the amount of the infrastructure contributions payable for each stage and the value of the contributions for prior stages to the satisfaction of the collecting agency.

If the collecting agency agrees to works in lieu of payment of the monetary component, the land owner must enter into an agreement under Section 173 of the *Planning and Environment Act 1987* in respect of the proposed works in lieu.

Development of land where no subdivision is proposed

Provided an infrastructure contribution has not yet been collected for development of the subject land, the monetary component and any land equalisation amount of an infrastructure contribution must be paid to the collecting agency before the issue of a building permit for each net developable hectare proposed to be developed prior to the commencement of any development (development includes buildings, car park, access ways, landscaping and ancillary components). If the collecting agency agrees to works in lieu of payment of the monetary component, the land owner must enter into an agreement, or other suitable arrangement, under Section 173 of the *Planning and Environment Act 1987* in respect of the proposed works or provision of land in lieu.

Where no building permit is required

Where no building permit is required, the monetary component and any land equalisation amount of an infrastructure contribution must be paid to the collecting agency prior to the commencement of any development in accordance with a permit a permit issued under the Act, unless otherwise agreed by the collecting agency in a Section 173 agreement.

If the collecting agency agrees to works in lieu of payment of the monetary component, the land owner must enter into an agreement under Section 173 of the *Planning and Environment Act 1987* in respect of the proposed works or provision of land in lieu.

5.7.2 Inner public purpose land

If any land component of an infrastructure contribution includes inner public purpose land, that inner public purpose land must be provided in accordance with section 46GV of the Act.

5.8 Payment of land credit amounts

A person is entitled to be paid the land credit amount specified in this ICP in relation to a parcel of land if:

- on development of that parcel the person must, in accordance with section 46GV(4) of the Act, provide inner public purpose land forming part of that parcel to the collecting agency or a development agency; and
- the parcel contribution percentage of the parcel of land to be developed is more than the ICP land contribution percentage for that class of development.

The land credit amount is to be paid by the collecting agency to the landowner at a time to be agreed, but not before lodgement of a subdivision plan. This may be formalised in a section 173 agreement if the collecting agency and landowner agree.

5.9 Development exempt from contributions

Some classes of development are exempt from infrastructure contributions. Where land is subdivided or developed for an exempt purpose, as listed below, and the land is subsequently used for a purpose other than as one of those exempt uses, the owner of that land must pay to the collecting agency infrastructure

contributions in accordance with the provisions of this ICP. The levy must be paid within 28 days of the date of the commencement of the construction of any buildings or works for that alternative use.

5.9.1 Schools

The development of land for government and non-government schools are exempt from the requirement to pay an infrastructure contribution levy in accordance with the *Ministerial Direction on the Preparation and Content of Infrastructure Contributions Plans*.

5.9.2 Housing

Any housing to be provided by or on behalf of the Department of Health & Human Services is exempt from the requirement to pay an infrastructure contributions levy in accordance with the *Ministerial Direction on the Preparation and Content of Infrastructure Contributions Plans*.

5.10 Works in kind

Under section 46GX of the Act, the collecting agency may accept the provision of works, services or facilities by an applicant in part or full satisfaction of the monetary component of an infrastructure contribution payable by the applicant to the collecting agency ('works in kind').

Before accepting the provision of works in kind, the collecting agency must obtain the agreement of the development agency or agencies specified in this ICP.

The collecting agency should only accept the provision of works in kind if:

- The works in kind constitute part or all of the delivery of an infrastructure project(s) identified in this ICP, to the satisfaction of the collecting agency and development agency.
- The collecting agency and development agency have agreed that the timing of the works in kind is consistent with priorities in this ICP (alternatively a credit for works may be delayed to align with clearly identified and published development priorities).
- The works in kind are defined and agreed in a section 173 agreement.
- The detailed design of the works in kind is to the satisfaction of the development agency and any others identified in permit conditions.

If the collecting and development agencies accept the provision of works in kind:

- The value of the works in kind will be negotiated between the collecting agency and the applicant; and
- The monetary component the infrastructure contribution payable by the applicant will be offset by the agreed value of the works in kind.

The land component and any land equalisation amounts or land credit amounts cannot be accepted as works in kind.

5.10.1 Interim and temporary works

Interim and temporary works are not considered as eligible for works in kind credits against this ICP, unless agreed to by the collecting and development agencies.

5.11 Works in kind reimbursement

If the collecting agency agrees to accept works under section 46GX of the Act and the value of those works is greater than the monetary component of the infrastructure contribution payable by the applicant, the applicant is entitled to be reimbursed the difference between the two amounts.

The details of a reimbursement must be negotiated with, and agreed to by the collecting agency and development agency.

5.12 Funds administration

The contributions made under this ICP will be held by the collecting agency until required for the provision of infrastructure projects. Details of contributions received and expenditures will be held by the collecting agency in accordance with the provisions of the *Local Government Act 1989*, the *Planning and Environment Act 1987* and the *Ministerial Reporting Requirements for Infrastructure Contributions Plans*.

5.13 Annual indexation of standard levy rates

The standard levy rates specified in this ICP will be indexed in accordance with the indexation method specified in Annexure 1 of the *Ministerial Direction on the Preparation and Content of Infrastructure Contributions Plans* on 1 July each year.

The indices used in the indexation method are set out in [Table 15](#).

Table 15 Indices

CLASS OF INFRASTRUCTURE	INDEX
Community and recreation construction	Australian Bureau of Statistics Producer Price Indexes Non-Residential Building Construction Index, Victoria (Catalogue 6427.0, Table 17 Output of the Construction Industries)
Transport construction	Australian Bureau of Statistics Producer Price Indexes Road & Bridge Construction Index, Victoria (Catalogue 6427.0, Table 17 Output of the Construction Industries)

5.14 Annual indexation of supplementary levy rates

The supplementary monetary component of this ICP will be indexed annually using the following formula:

$$ASLR = PSLR \times A \div B$$

Where:

- **ASLR** is the adjusted standard levy rate being indexed;
- **PSLR** is the standard levy rate for the previous financial year;
- **A** is the average of the index numbers specified for the relevant infrastructure category for the latest full year available; and
- **B** is the average of the producer price index numbers for the previous year available.

The indices used in the indexation method are set out in [Table 15](#) and [Table 16](#).

Table 16 Indices – supplementary levy rates.

CLASS OF INFRASTRUCTURE	INDEX
Transport construction	Australian Bureau of Statistics Producer Price Indexes Road & Bridge Construction Index, Victoria (Catalogue 6427.0, Table 17 Output of the Construction Industries)

5.15 Adjustment of land credit land amounts

Amended
by GC198

The land credit amounts specified in this ICP will be adjusted in accordance with the method of adjustment specified in Annexure 1 of the *Ministerial Direction on the Preparation and Content of Infrastructure Contributions Plans (February 2021)* on 1 July each year.

5.16 Adjustment of land equalisation amounts

Amended
by GC198

The land equalisation amounts specified in this ICP will be adjusted in accordance with the method of adjustment specified in Annexure 1 of the *Ministerial Direction on the Preparation and Content of Infrastructure Contributions Plans (February 2021)* on 1 July each year.

APPENDIX 1 DEFINITIONS

Collecting agency	The minister, public authority or municipal council specified in an infrastructure contributions plan as the entity that an infrastructure levy is payable to in accordance with Part 3AB of the <i>Planning and Environment Act 1987</i> .
Contribution land	<p>The land within the ICP plan area of an infrastructure contribution plan in respect of which an infrastructure contribution is to be imposed under the plan if any of that land is developed.</p> <p>It includes net developable area and inner public purpose land. This excludes encumbered land, existing public purposes land and land that is exempt from paying a contribution.</p>
Development agency	The minister, public authority or municipal council specified in an infrastructure contributions plan as the entity responsible for works, services or facilities and public purpose land specified in this ICP plan.
Gross developable area	Total precinct area excluding encumbered land, arterial roads and other roads with four or more lanes.
Inner public purpose land	Land within the ICP plan area that is specified in this ICP as land to be set aside for public purposes.
Net developable area (NDA)	Land within a precinct available for development. This excludes encumbered land, arterial roads, railway corridors, schools and community facilities and public open space. It includes lots, local streets and connector streets. Net developable area may be expressed in terms of hectare units (for example NDHa).
Land budget table	A table setting out the ICP plan area, contribution land, net developable area and the classes of development.
Outer public purpose land	Land outside of the ICP plan area that is specified in this ICP as land to be acquired for public purposes.
Works in kind	Any works, services or facilities accepted by the collecting agency in a part or full satisfaction of the monetary component of an infrastructure contribution.

APPENDIX 2 LAND

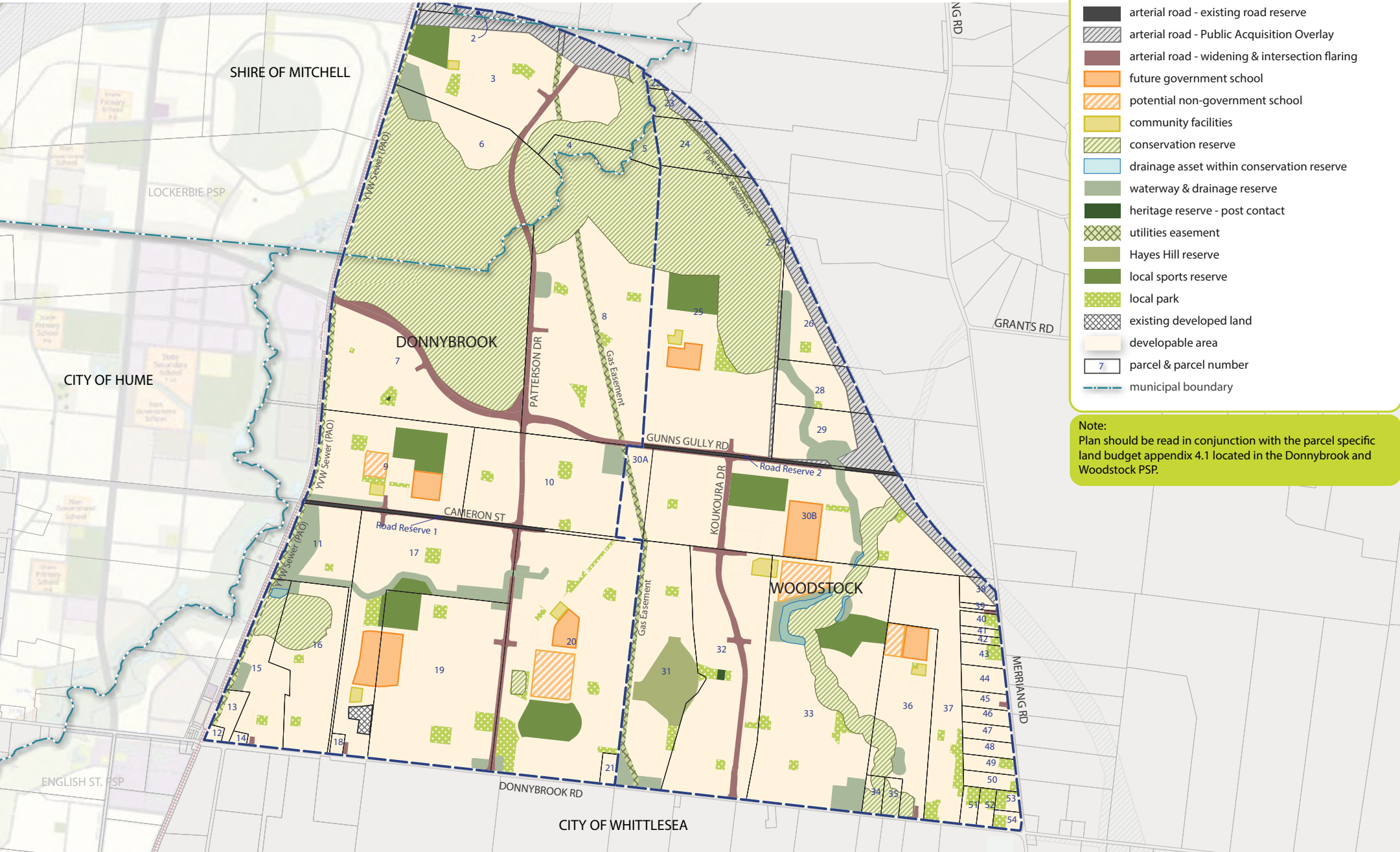


Table 17 Summary land use budget

DESCRIPTION	HECTARES	% OF TOTAL	% OF NDA
TOTAL PRECINCT AREA (HA)	1,785.94	100%	
TRANSPORT			
Arterial road – existing road reserve	6.29	0.35%	0.61%
Arterial road – public acquisition overlay	57.78	3.24%	5.59%
Arterial road – new / widening / intersection flaring (public purposes land)	47.86	2.68%	4.63%
Sub-total transport	111.93	6.3%	10.84%
COMMUNITY & EDUCATION			
Government school	32.34	1.81%	3.13%
Potential non-government school	20.47	1.15%	1.98%
Local community facility (public purposes land)	6.40	0.36%	0.62%
Sub-total education	59.21	3.3%	5.7%
OPEN SPACE			
UNCREDITED OPEN SPACE			
Conservation reserve	372.82	20.88%	36.10%
Waterway and drainage reserve	63.35	3.55%	6.13%
Heritage reserve – post contact	0.39	0.02%	0.04%
Utilities easements	27.31	1.53%	2.64%
Hayes Hill Reserve	14.58	0.82%	1.41%
Sub-total uncredited open space	478.45	26.79%	46.33%
CREDITED OPEN SPACE			
Local sports reserve (public purposes land)	54.80	3.1%	5.31%
Local network park (public purposes land)	46.59	2.6%	4.51%
Sub-total credited open space	101.39	5.7%	9.82%
Total all open space	579.84	32.5%	56.15%
OTHER			
Existing developed land	2.31	0.13%	0.22%
Sub-total	2.31	0.13%	0.22%
RESIDENTIAL			
	NDA (HA)	DWELLINGS /NDHA	DWELLINGS
Totals residential yield against NDA	1,032.66	16	16,523
Anticipated population @ 2.8 persons per dwelling		46,263	

TOTAL NET DEVELOPABLE AREA – (NDA) HA	1,032.66	57.82%
NET DEVELOPABLE AREA – RESIDENTIAL (NDA-R) HA	1,032.66	57.82%
NET DEVELOPABLE AREA – EMPLOYMENT (NDA-E) HA	0.00	0.00%
TOTAL CONTRIBUTION LAND – HA	1,188.31	
DESCRIPTION		
RESIDENTIAL LOCAL OPEN SPACE (EXPRESSED AS % OF NDA-R)	HECTARES	% OF NDA-R
Local sports reserve (public purposes land)	54.80	5.31%
Local network park (public purposes land)	46.59	4.51%
Sub-total	101.39	9.82%
EMPLOYMENT LOCAL OPEN SPACE (EXPRESSED AS % OF NDA-E)	HECTARES	% OF NDA-E
Local network parks (public purposes land)	0.00	0.00%
Sub-total	0.00	0.00%
TOTAL OPEN SPACE	101.39	9.82%

Table 18 Parcel-specific land use budget

PSP PARCEL ID	TOTAL AREA (HECTARES)	TRANSPORT			COMMUNITY & EDUCATION			OPEN SPACE (OS)								OTHER	TOTAL NET DEVELOPABLE AREA (HECTARES)	NET DEVELOPABLE AREA % OF PROPERTY
		ARTERIAL ROAD – EXISTING ROAD RESERVE	ARTERIAL ROAD – PUBLIC ACQUISITION OVERLAY	ARTERIAL ROAD – NEW/WIDENING/ INTERSECTION FLARING (PUBLIC PURPOSES LAND)	GOVERNMENT SCHOOL	POTENTIAL NON-GOVERNMENT SCHOOL	ICP COMMUNITY FACILITIES	UNCREDITED OS					CREDITED OS		REGIONAL OS	EXISTING DEVELOPED LAND		
								CONSERVATION RESERVE	WATERWAY AND DRAINAGE RESERVE	HERITAGE RESERVE – POST CONTACT	UTILITIES EASEMENTS	HAYES HILL RESERVE	LOCAL SPORTS RESERVE (PUBLIC PURPOSES LAND)	LOCAL NETWORK PARK (PUBLIC PURPOSES LAND)	MUNICIPAL OPEN SPACE (COUNCIL FUNDED)			
PROPERTY																		
1	1.58	–	1.58	–	–	–	–	–	–	–	–	–	–	–	–	–	0.00	0.00%
2	2.31	–	2.31	–	–	–	–	–	–	–	–	–	–	–	–	–	0.00	0.00%
3	102.43	–	16.06	2.34	–	–	0.50	17.07	2.27	–	2.37	–	5.65	2.04	–	–	54.14	52.85%
4	7.26	–	–	–	–	–	–	7.26	–	–	–	–	–	–	–	–	0.00	0.00%
5	3.54	–	–	–	–	–	–	3.54	–	–	–	–	–	–	–	–	0.00	0.00%
6	110.91	–	–	1.97	–	–	–	91.59	3.20	–	0.05	–	–	–	–	–	14.09	12.71%
7	138.12	–	–	10.21	–	–	–	81.30	–	0.06	2.33	–	–	1.13	–	–	43.09	31.19%
8	140.25	–	–	7.54	–	–	–	38.70	1.68	–	4.86	–	–	2.49	–	–	84.98	60.59%
9	60.15	–	–	0.88	3.50	2.63	0.80	–	1.88	–	1.53	–	8.03	1.86	–	–	39.04	64.90%
10	60.89	–	–	2.73	–	–	–	–	2.45	–	0.23	–	–	2.03	–	–	53.45	87.78%
11	24.88	–	–	0.25	–	–	–	–	8.64	–	1.50	–	–	0.25	–	–	14.24	57.22%
12	1.03	–	–	–	–	–	–	–	–	–	0.04	–	–	–	–	–	0.99	96.36%
13	4.51	–	–	–	–	–	–	–	–	–	0.91	–	–	–	–	–	3.61	79.93%
14	0.82	–	–	0.02	–	–	–	–	–	–	0.03	–	–	–	–	–	0.77	92.93%
15	25.88	–	–	0.21	–	–	–	4.57	2.53	–	1.39	–	–	0.43	–	–	16.75	64.73%
16	39.89	–	–	0.01	–	–	–	10.29	0.53	–	0.13	–	–	0.75	–	–	28.18	70.63%
17	76.73	–	–	2.36	4.81	–	0.82	–	6.69	–	0.04	–	2.50	2.68	–	2.31	54.53	71.07%
18	1.16	–	–	0.02	–	–	–	–	–	–	0.02	–	–	–	–	–	1.11	96.18%
19	89.43	–	–	2.21	5.19	–	–	–	1.28	–	0.33	–	5.60	3.74	–	–	71.08	79.48%
20	127.94	–	–	3.36	3.50	8.23	0.80	1.39	2.70	–	0.33	–	9.01	7.65	–	–	90.96	71.10%

PSP PARCEL ID	TOTAL AREA (HECTARES)	TRANSPORT			COMMUNITY & EDUCATION			OPEN SPACE (OS)									OTHER	TOTAL NET DEVELOPABLE AREA (HECTARES)	NET DEVELOPABLE AREA % OF PROPERTY
		ARTERIAL ROAD – EXISTING ROAD RESERVE	ARTERIAL ROAD – PUBLIC ACQUISITION OVERLAY	ARTERIAL ROAD – NEW/WIDENING/ INTERSECTION FLARING (PUBLIC PURPOSES LAND)	GOVERNMENT SCHOOL	POTENTIAL NON-GOVERNMENT SCHOOL	ICP COMMUNITY FACILITIES	UNCREDITED OS					CREDITED OS		REGIONAL OS	EXISTING DEVELOPED LAND			
								CONSERVATION RESERVE	WATERWAY AND DRAINAGE RESERVE	HERITAGE RESERVE – POST CONTACT	UTILITIES EASEMENTS	HAYES HILL RESERVE	LOCAL SPORTS RESERVE (PUBLIC PURPOSES LAND)	LOCAL NETWORK PARK (PUBLIC PURPOSES LAND)	MUNICIPAL OPEN SPACE (COUNCIL FUNDED)				
21	2.03	–	–	–	–	–	–	–	–	–	0.05	–	–	–	–	–	–	1.98	97.52%
22	0.74	–	0.06	–	–	–	–	0.68	–	–	–	–	–	–	–	–	–	0.00	0.00%
23	4.30	–	1.96	–	–	–	–	2.33	–	–	–	–	–	–	–	–	–	0.00	0.00%
24	15.53	–	3.77	–	–	–	–	10.73	–	–	1.02	–	–	–	–	–	–	0.00	0.00%
25	149.48	–	6.36	1.25	3.50	–	0.80	68.51	0.15	–	1.40	–	8.00	1.67	–	–	–	57.83	38.69%
26	18.18	–	6.34	–	–	–	–	–	3.16	–	–	–	–	0.50	–	–	–	8.17	44.95%
27	0.01	–	0.01	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.00	0.00%
28	15.63	–	2.60	–	–	–	–	–	2.44	–	–	–	–	0.25	–	–	–	10.34	66.14%
29	25.92	–	8.14	0.07	–	–	–	–	5.01	–	–	–	–	–	–	–	–	12.71	49.02%
30A	10.46	–	–	0.19	–	–	–	–	0.10	–	1.76	–	–	–	–	–	–	8.41	80.44%
30B	115.43	–	7.37	3.75	8.34	–	–	5.70	3.50	–	0.17	–	8.01	1.89	–	–	–	76.70	66.45%
31	61.16	–	–	–	–	–	–	–	2.85	–	5.87	–	–	1.62	14.35	–	–	36.48	59.64%
32	79.49	–	–	7.58	–	–	1.48	–	–	0.34	0.22	–	–	1.99	0.23	–	–	67.65	85.11%
33	122.94	–	–	–	–	7.00	0.52	18.28	10.65	–	0.38	–	8.00	2.25	–	–	–	75.85	61.70%
34	3.11	–	–	–	–	–	–	2.69	0.01	–	–	–	–	–	–	–	–	0.41	13.24%
35	2.90	–	–	–	–	–	–	2.24	–	–	–	–	–	–	–	–	–	0.66	22.68%
36	40.22	–	–	0.28	3.50	2.60	0.68	5.94	1.48	–	0.03	–	–	0.10	–	–	–	25.61	63.67%
37	42.12	–	–	0.19	–	–	–	–	–	–	0.12	–	–	3.86	–	–	–	37.95	90.10%
38	3.80	–	1.20	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2.60	68.47%
39	0.82	–	–	0.07	–	–	–	–	–	–	–	–	–	–	–	–	–	0.75	90.96%
40	2.50	–	–	0.08	–	–	–	–	–	–	–	–	–	0.75	–	–	–	1.66	66.68%
41	1.34	–	–	–	–	–	–	–	–	–	–	–	–	0.20	–	–	–	1.14	85.09%

PSP PARCEL ID	TOTAL AREA (HECTARES)	TRANSPORT			COMMUNITY & EDUCATION			OPEN SPACE (OS)								OTHER	TOTAL NET DEVELOPABLE AREA (HECTARES)	NET DEVELOPABLE AREA % OF PROPERTY
		ARTERIAL ROAD – EXISTING ROAD RESERVE	ARTERIAL ROAD – PUBLIC ACQUISITION OVERLAY	ARTERIAL ROAD – NEW/WIDENING/ INTERSECTION FLARING (PUBLIC PURPOSES LAND)	GOVERNMENT SCHOOL	POTENTIAL NON-GOVERNMENT SCHOOL	ICP COMMUNITY FACILITIES	UNCREDITED OS					CREDITED OS		REGIONAL OS	EXISTING DEVELOPED LAND		
								CONSERVATION RESERVE	WATERWAY AND DRAINAGE RESERVE	HERITAGE RESERVE – POST CONTACT	UTILITIES EASEMENTS	HAYES HILL RESERVE	LOCAL SPORTS RESERVE (PUBLIC PURPOSES LAND)	LOCAL NETWORK PARK (PUBLIC PURPOSES LAND)	MUNICIPAL OPEN SPACE (COUNCIL FUNDED)			
42	1.42	–	–	–	–	–	–	–	–	–	–	–	–	0.35	–	–	1.06	75.22%
43	4.05	–	–	–	–	–	–	–	–	–	–	–	–	1.03	–	–	3.01	74.46%
44	4.81	–	–	0.01	–	–	–	–	–	–	–	–	–	–	–	–	4.80	99.75%
45	3.17	–	–	0.25	–	–	–	–	–	–	–	–	–	–	–	–	2.93	92.24%
46	3.26	–	–	0.02	–	–	–	–	–	–	–	–	–	–	–	–	3.25	99.51%
47	3.33	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3.33	100.00%
48	3.47	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3.47	100.00%
49	3.57	–	–	–	–	–	–	–	–	–	–	–	–	0.70	–	–	2.87	80.38%
50	3.68	–	–	–	–	–	–	–	–	–	–	–	–	0.33	–	–	3.35	91.07%
51	2.78	–	–	–	–	–	–	–	–	–	0.06	–	–	1.08	–	–	1.64	59.22%
52	2.67	–	–	–	–	–	–	–	–	–	0.05	–	–	1.25	–	–	1.36	51.08%
53	2.05	–	–	–	–	–	–	–	–	–	–	–	–	1.00	–	–	1.04	51.06%
54	2.14	–	–	–	–	–	–	–	–	–	0.09	–	–	0.71	–	–	1.35	62.79%
SUB-TOTAL	1778.20	0.00	57.78	47.86	32.34	20.47	6.40	372.82	63.21	0.39	27.31	14.58	54.80	46.59	14.58	2.31	1031.36	58.00%

ROAD RESERVE																		
Road Reserve 1	4.61	3.31	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.30	28.25%
Road Reserve 2	3.13	2.98	–	–	–	–	–	–	0.15	–	–	–	–	–	–	–	0.00	0.00%
SUB-TOTAL	7.74	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	16.82%

TOTALS PSP 1067 & 1096	1785.94	6.29	57.78	47.86	32.34	20.47	6.40	372.82	63.35	0.39	27.31	14.58	54.80	46.59	14.58	2.31	1032.66	57.82%
---------------------------	---------	------	-------	-------	-------	-------	------	--------	-------	------	-------	-------	-------	-------	-------	------	---------	--------

APPENDIX 3 INFRASTRUCTURE SCHEDULE

ICP PROJECT NUMBER	INFRASTRUCTURE CATEGORY	SUMMARY PROJECT DESCRIPTION	DRAWING NUMBER (DATE)	COST SHEET PROJECT ID	CONSTRUCTION STANDARD
TRANSPORT CONSTRUCTION ITEMS					
RD-01	Road	Interim – secondary arterial	V181544-CI-DG-2002 (04.02.2019)	Item 2	Interim – first carriageway (950 m)
RD-02	Road	Interim – primary arterial	V181544-CI-DG-2001 (04.02.2019)	Item 1	Interim – first carriageway (1,799 m)
RD-03	Road	Interim – secondary arterial	V181544-CI-DG-2002 (04.02.2019)	Item 2	Interim – first carriageway (1,825 m)
RD-04	Road	Interim – secondary arterial	V181544-CI-DG-2002 (04.02.2019)	Item 2	Interim – first carriageway (774 m)
RD-05	Road	Interim – secondary arterial	V181544-CI-SK-0018 (15.04.2020)	Item 2	Interim – first carriageway (1,028 m)
IN-01	Intersection	Interim – primary/connector – 3-way – signalised	V181544-TR-SK-0001 (26.09.2019)	IN-01	Interim – T-signalised
IN-02	Intersection	Interim – primary/connector – 3-way – signalised	V181544-TR-SK-0002 (26.09.2019)	IN-02	Interim – T-signalised
IN-03	Intersection	Interim – primary/secondary – 3-way – signalised	V181544-TR-SK-0003 (26.09.2019)	IN-03	Interim – T-signalised
IN-04	Intersection	Interim – primary/secondary – 3-way – signalised	V181544-TR-SK-0004 (26.09.2019)	IN-04	Interim – T-signalised
IN-05	Intersection	Interim – primary/connector – 3-way – signalised	V181544-TR-SK-0005 (26.09.2019)	IN-05	Interim – T-signalised
IN-06	Intersection	Interim – secondary/connector boulevard – 4-way signalised	V181544-TR-SK-0006 (12.04.2019)	IN-06	Interim – cross-signalised
IN-07	Intersection	Interim – secondary/connector boulevard – 4-way signalised	V181544-TR-SK-0007 (12.04.2019)	IN-07	Interim – cross-signalised
IN-08	Intersection	Ultimate – connector boulevard/connector – T-signalised	CLP208 (26.10.2015)	IN-08	Interim – cross-signalised
IN-09	Intersection	Interim – secondary/connector boulevard – 4-way – signalised	CLP209 (26.10.2015)	IN-09	Interim – cross-signalised
IN-10	Intersection	Interim – secondary/secondary – 4-way – signalised	V181544-TR-SK-0010 (12.04.2019)	IN-10	Interim – cross-signalised
IN-11	Intersection	Ultimate – connector/arterial – T-signalised	V181544-TR-SK-0011 (12.04.2019)	IN-11	Interim – cross-signalised
IN-12	Intersection	Ultimate – connector/arterial – T-signalised	V181544-TR-SK-0012 (12.04.2019)	IN-12	Ultimate – T-signalised

ICP PROJECT NUMBER	INFRASTRUCTURE CATEGORY	SUMMARY PROJECT DESCRIPTION	DRAWING NUMBER (DATE)	COST SHEET PROJECT ID	CONSTRUCTION STANDARD
IN-13	Intersection	Interim – primary/connector – T-signalised	V181544-TR-SK-0013 (12.04.2019)	IN-13	Interim – cross-signalised
IN-14	Intersection	Interim – primary/secondary – 4-way – signalised	V181544-TR-SK-0014 (12.04.2019)	IN-14	Interim – cross-signalised
IN-15	Intersection	Interim – primary/secondary – 4-way – signalised	V181544-TR-SK-0015 (12.04.2019)	IN-15	Interim – cross-signalised
IN-16	Intersection	Interim – secondary/connector – T-signalised – interim	V170524-CIDG-2025 (12.04.2019)	IN-16	Ultimate – T-signalised
IN-17	Intersection	Interim – secondary/connector – T-signalised	V181544-TR-SK-0017 (12.04.2019)	IN-17	Ultimate – T-signalised
BR-01	Bridge	Interim – 2-lane bridge	140638-C003 (26.07.2018) 140638-C004 (26.07.2018)	BR-01	Interim – 2-lane bridge
BR-02	Bridge	Interim – major culvert	V170524-CIDG-2039	BR-02 (Item 27)	Interim – 2-lane culvert
BR-03	Bridge	Ultimate – major culvert	V181544-WE-SK002 (15.10.2019)	BR-03	Ultimate – 2-lane culvert
BR-04	Bridge	Ultimate – major culvert	V181544-WE-SK001 (15.10.2019)	BR-04	Ultimate – 2-lane culvert
BR-05	Bridge	Interim – 2-lane bridge	140638-C006 (26.07.2018) 140638-C007 (26.07.2018)	BR-05	Interim – 2-lane secondary arterial bridge
PED-01	Pedestrian signals	Pedestrian crossing signals	N/A	N/A	Pedestrian signals
PED-02	Pedestrian signals	Pedestrian crossing signals	N/A	N/A	Pedestrian signals
PED-03	Pedestrian signals	Pedestrian crossing signals	N/A	N/A	Pedestrian signals
COMMUNITY AND RECREATION CONSTRUCTION ITEMS					
CI-01	Community facilities	Level 2 community facility	V181544-CI-DG- 2050 (05.03.2018)	38	Contemporary
CI-02	Community facilities	Level 2 community facility	V181544-CI-DG- 2050 (05.03.2018)	38	Contemporary
CI-03	Community facilities	Level 2 community facility	V181544-CI-DG- 2050 (05.03.2018)	38	Contemporary
CI-04	Community facilities	Level 3 community facility	V181544-CIDG-2051 (05.03.2018)	39	Contemporary

ICP PROJECT NUMBER	INFRASTRUCTURE CATEGORY	SUMMARY PROJECT DESCRIPTION	DRAWING NUMBER (DATE)	COST SHEET PROJECT ID	CONSTRUCTION STANDARD
CI-05	Community facilities	Level 2 community facility	V181544-CI-DG- 2050 (05.03.2018)	38	Contemporary
CI-06	Community facilities	Level 1 community facility	V181544-CI-DG- 2049 (05.03.2018)	37	Contemporary
CI-07	Community facilities	Level 1 community facility	V181544-CI-DG- 2049 (05.03.2018)	37	Contemporary
SR-01	Sports and recreation facilities	Sports and recreation facility – 8 to 10 hectare site	V181544-CI-DG- 2055 (05.03.2018)	43	Contemporary – senior and junior and sporting competition
		Sports pavilion 2 playing areas	V181544-CI-DG- 2052 (05.03.2018)	40	
SR-02	Sports and recreation facilities	Sports and recreation facility – 8 to 10 hectare site	V181544-CI-DG- 2055 (05.03.2018)	43	Contemporary – senior and junior and sporting competition
		Sports pavilion 2 playing areas	V181544-CI-DG- 2052 (05.03.2018)	40	
SR-03	Sports and recreation facilities	Sports and recreation facility – 8 to 10 hectare site	V181544-CI-DG- 2055 (05.03.2018)	43	Contemporary – senior and junior and sporting competition
		Sports pavilion 2 playing areas	V181544-CI-DG- 2052 (05.03.2018)	40	
SR-04	Sports and recreation facilities	Sports and recreation facility – 8 to 10 hectare site	V181544-CI-DG- 2055 (05.03.2018)	43	Contemporary – senior and junior and sporting competition
		Sports pavilion 2 playing areas	V181544-CI-DG- 2052 (05.03.2018)	40	
SR-05	Sports and recreation facilities	Sports and recreation facility – 8 to 10 hectare site	V181544-CI-DG- 2055 (05.03.2018)	43	Contemporary – senior and junior and sporting competition
		Sports pavilion 2 playing areas	V181544-CI-DG- 2052 (05.03.2018)	40	
SR-06	Sports and recreation facilities	Sports and recreation facility – 8 to 10 hectare site	V181544-CI-DG- 2055 (05.03.2018)	43	Contemporary – senior and junior and sporting competition
		Sports pavilion 2 playing areas	V181544-CI-DG- 2052 (05.03.2018)	40	
SR-07	Sports and recreation facilities	Sports and recreation facility – 5 to 6 hectare site	V181544-CI-DG- 2055 (05.03.2018)	42	Contemporary – senior and junior and sporting competition
		Sports pavilion 2 playing areas	V181544-CI-DG- 2052 (05.03.2018)	40	

APPENDIX 4 DETAILED COSTS SHEETS

[illegible]

© Cardno Limited
All Rights Reserved.

This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer.

Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



15	Drawn RVR	Date 27/09/2017	Client VICTORIAN PLANNING AUTHORITY				
	Checked MEA	Date 28/09/2017		Project BENCH MARK INFRASTRUCTURE COSTING	Status PRELIMINARY		
	Designed RVR	Date			NOT TO BE USED FOR CONSTRUCTION PURPOSES		
	Verified	Date				Scale 1:250	Size A3
	Approved	Date			Drawing Number V181544-CI-DG-2002		
			Title ITEM 2 SECONDARY ARTERIAL ROAD INTERIM				

RD-01, RD-03, RD-04



6	4/02/2019	ADDRESS STAKEHOLDER COMMENTS	CM		
5	23/07/2018	ADDRESS VPA COMMENTS	CM		
4	05/07/2018	ADDRESS VPA COMMENTS	CM		
3	29/06/2018	ADDRESS VPA COMMENTS	CM		
2	19/03/2018	ADDRESS VPA COMMENTS	VA		
1	14/12/2017	PRELIMINARY ISSUE	RVR		
Rev	Date	Description	DVS	Verif	Appd

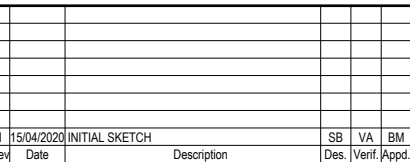
© Cardno Limited
All Rights Reserved.
This document is produced by Cardno Limited
solely for the benefit of and use by the client
in accordance with the terms of the retainer.
Cardno Limited does not and shall not
assume any responsibility or liability
whatsoever to any third party arising out of
any use or reliance by third party on the
content of this document.



Drawn	Date
RVR	27/09/201
Checked	Date
MEA	28/09/201
Designed	Date
RVR	
Verified	Date
Approved	Date

Client	VICTORIAN PLANNING AUTHORITY
Project	BENCH MARK INFRASTRUCTURE COSTING
Title	ITEM 1 PRIMARY ARTERIAL ROAD INTERIM

Status		PRELIMINARY	
NOT TO BE USED FOR CONSTRUCTION PURPOSES			
		Scale 1:250	Size A3
Drawing Number V181544-CI-DG-2001			Revision 6

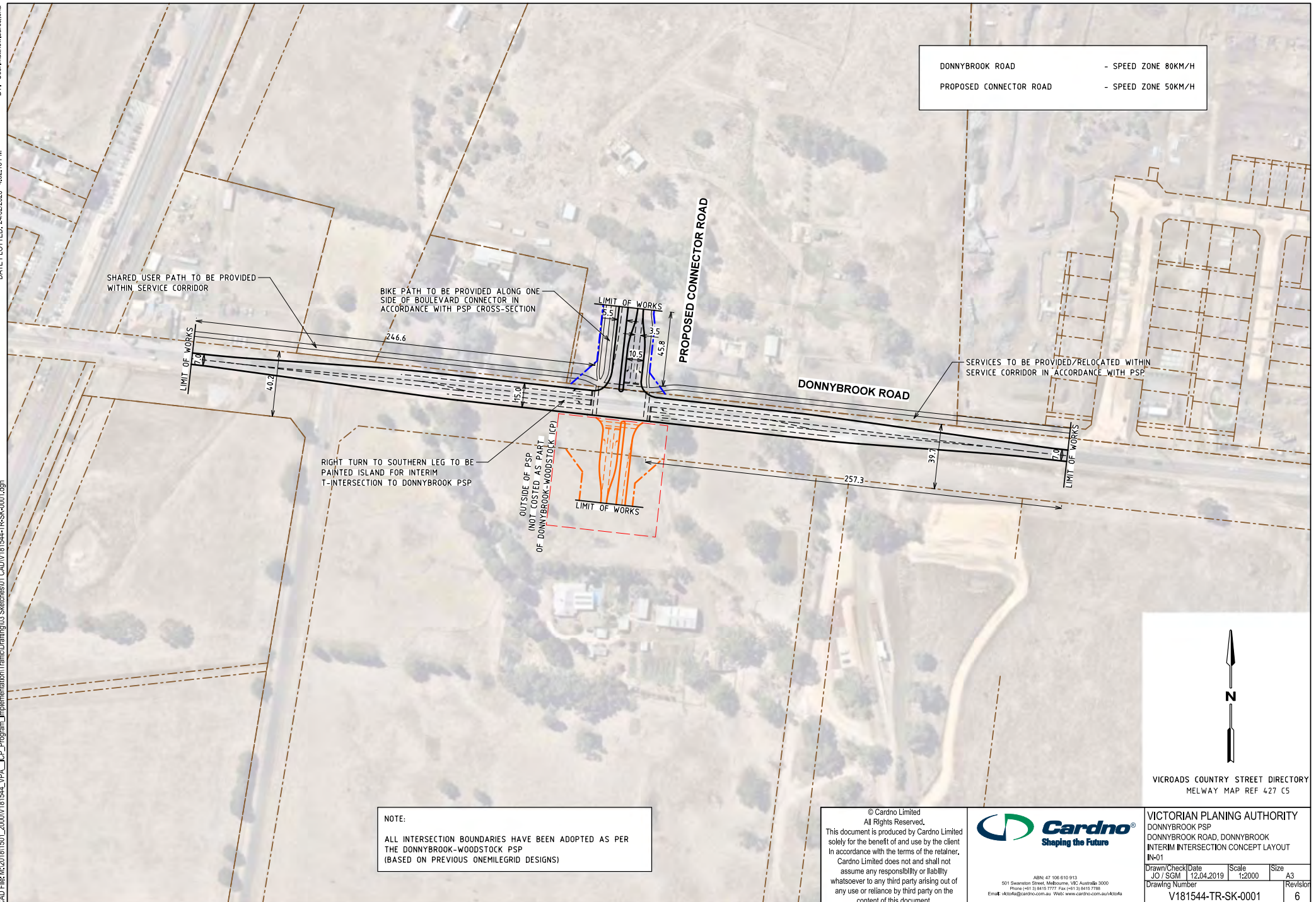


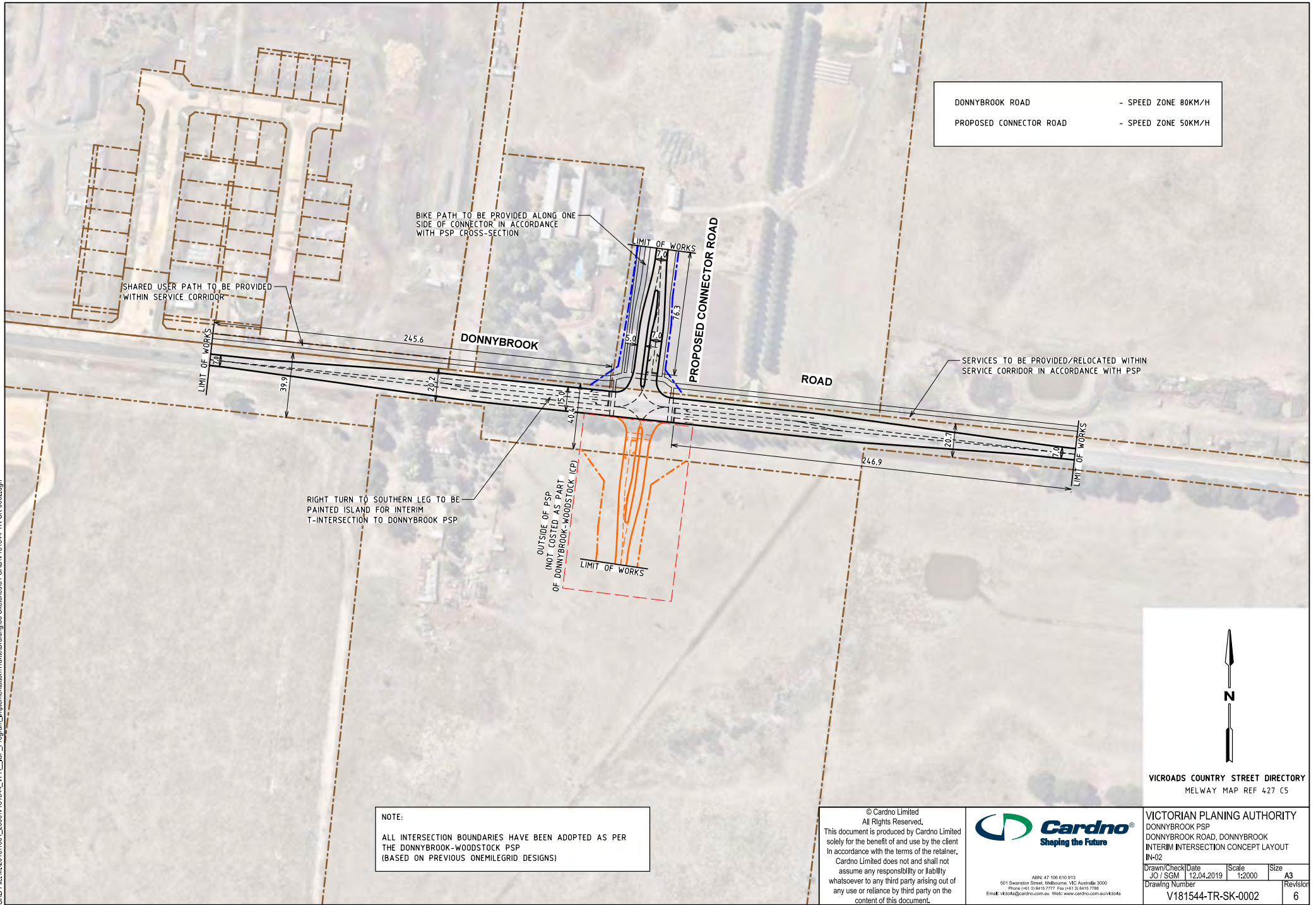
 **Cardno**
Shaping the Future

Cardno Victoria Pty Ltd | ABN 47 106 610 913
Level 4, 501 Swanston Street
Melbourne VIC 3000
Tel: 03 8415 7777 Fax: 03 8415 7788
Web: www.cardno.com.au

Client	VICTORIAN PLANNING AUTHORITY
Project	BENCH MARK INFRASTRUCTURE COSTING DONNYBROOK-WOODSTOCK
Title	RD-05 KOUKORA DRIVE INTERIM

Status		CONCEPT	
NOT TO BE USED FOR CONSTRUCTION PURPOSES			
		Scale 1:250	Size A3
Drawing Number V181544-CI-SK-0018			Revision 1





DONNYBROOK ROAD	- SPEED ZONE 80KM/H
PROPOSED CONNECTOR ROAD	- SPEED ZONE 50KM/H

NOTE:
ALL INTERSECTION BOUNDARIES HAVE BEEN ADOPTED AS PER THE DONNYBROOK-WOODSTOCK PSP (BASED ON PREVIOUS ONEMILEGRID DESIGNS)

© Cardno Limited
All Rights Reserved.
This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

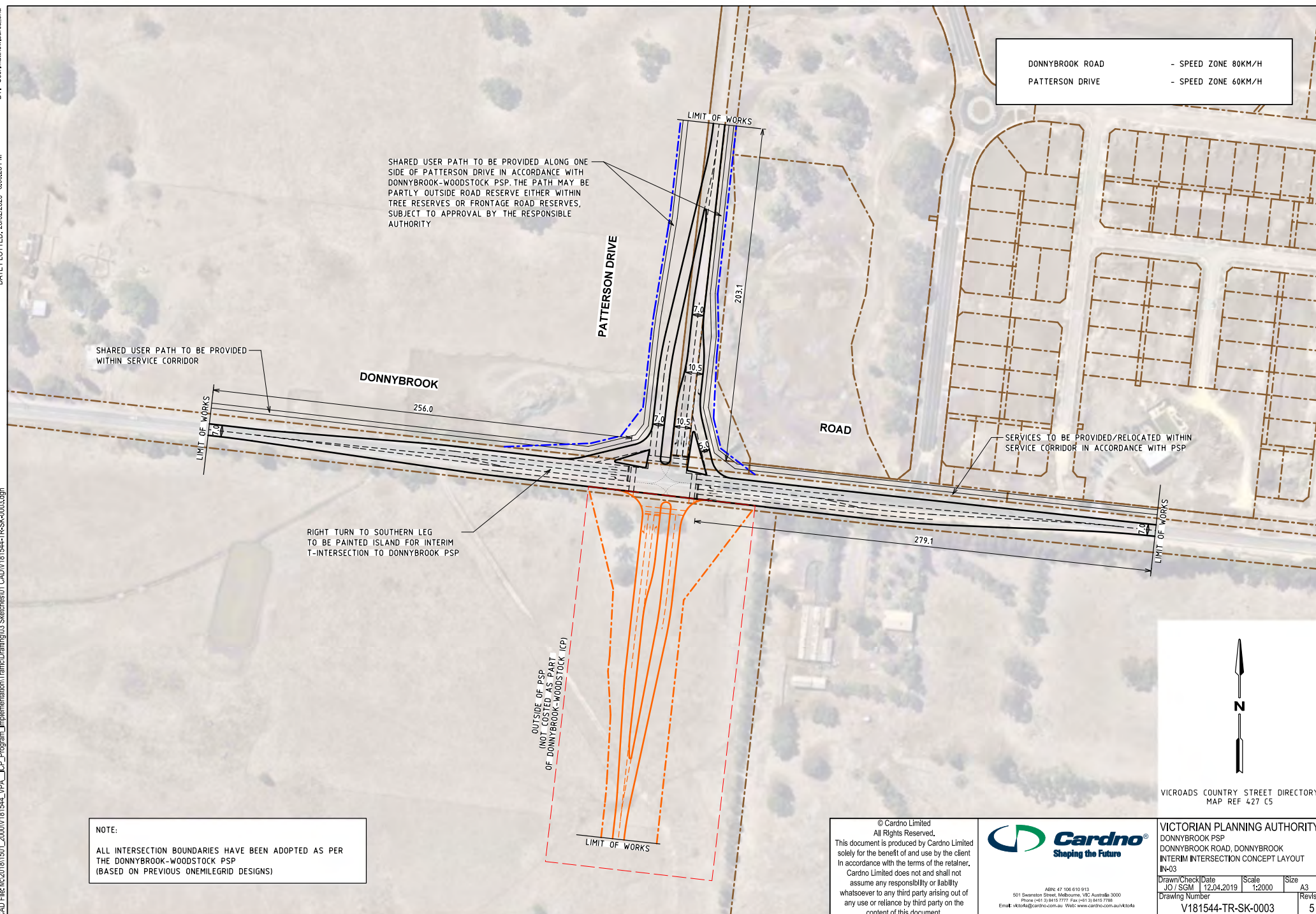
Cardno
Shaping the Future

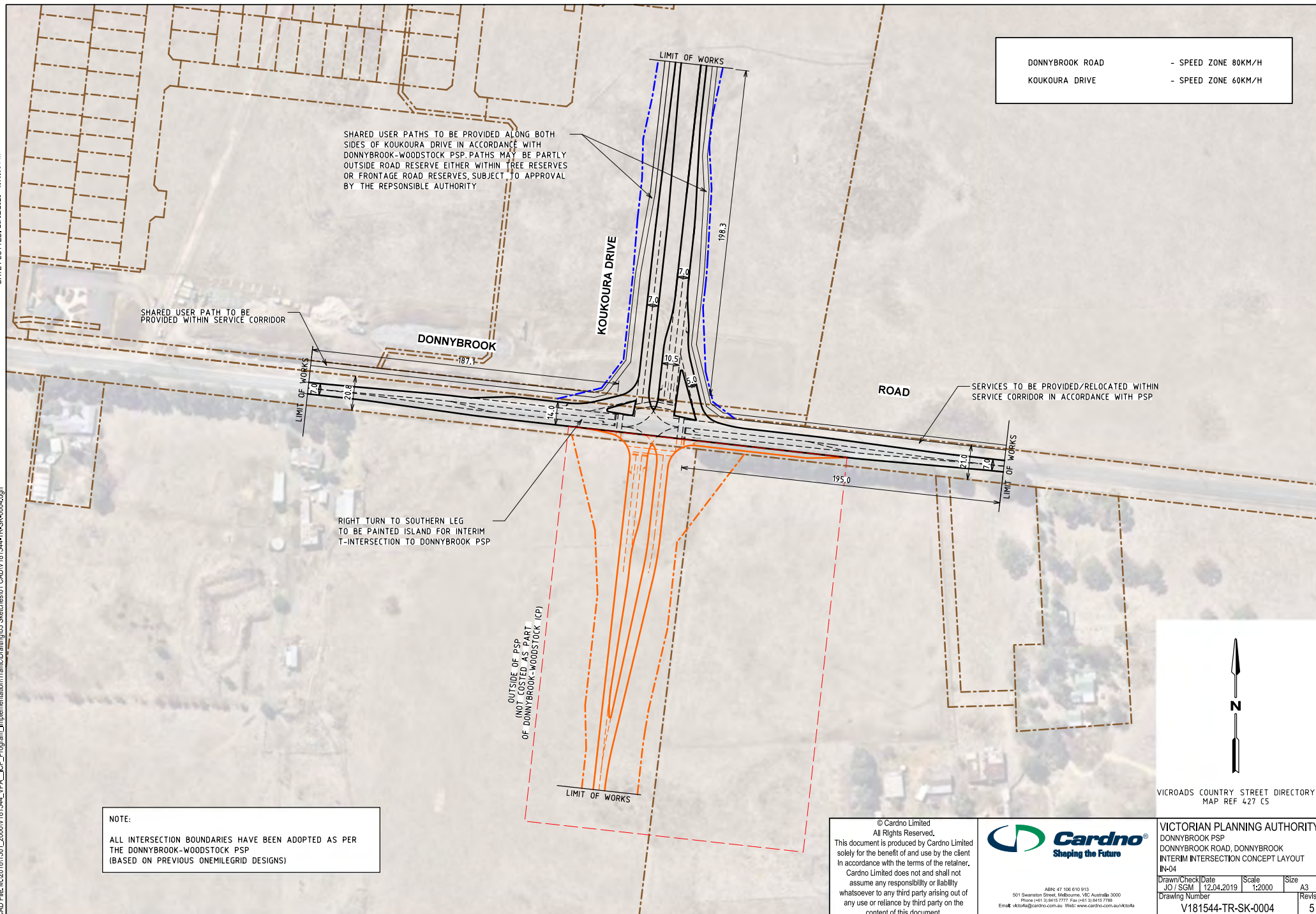
ABN: 47 106 610 913
501 Swanton Street, Melbourne, VIC Australia 3000
Phone: (+61 3) 8415 7777 Fax: (+61 3) 8415 7788
Email: k.scott@cardno.com.au Web: www.cardno.com.au

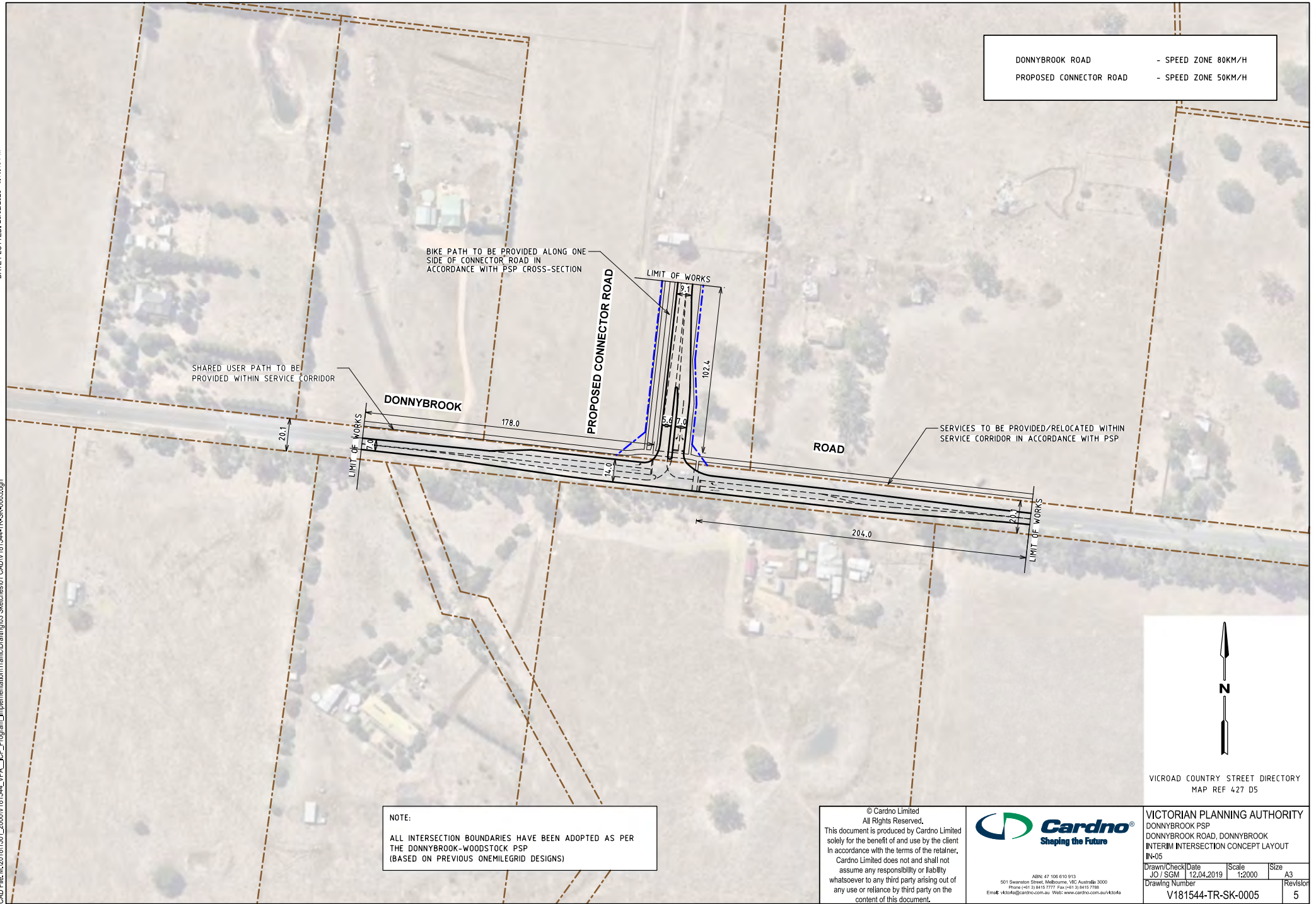
VICROADS COUNTRY STREET DIRECTORY
MELWAY MAP REF 427 C5

VICTORIAN PLANNING AUTHORITY
DONNYBROOK PSP
DONNYBROOK ROAD, DONNYBROOK
INTERIM INTERSECTION CONCEPT LAYOUT
IN-02

Drawn/Check/Date	Scale	Size
JO / SGM 12.04.2019	1:2000	A3
Drawing Number	Revisor	
V181544-TR-SK-0002	6	







DONNYBROOK ROAD - SPEED ZONE 80KM/H
 PROPOSED CONNECTOR ROAD - SPEED ZONE 50KM/H

NOTE:
 ALL INTERSECTION BOUNDARIES HAVE BEEN ADOPTED AS PER THE DONNYBROOK-WOODSTOCK PSP (BASED ON PREVIOUS ONEMILEGRID DESIGNS)

© Cardno Limited
 All Rights Reserved.
 This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

Cardno
 Shaping the Future

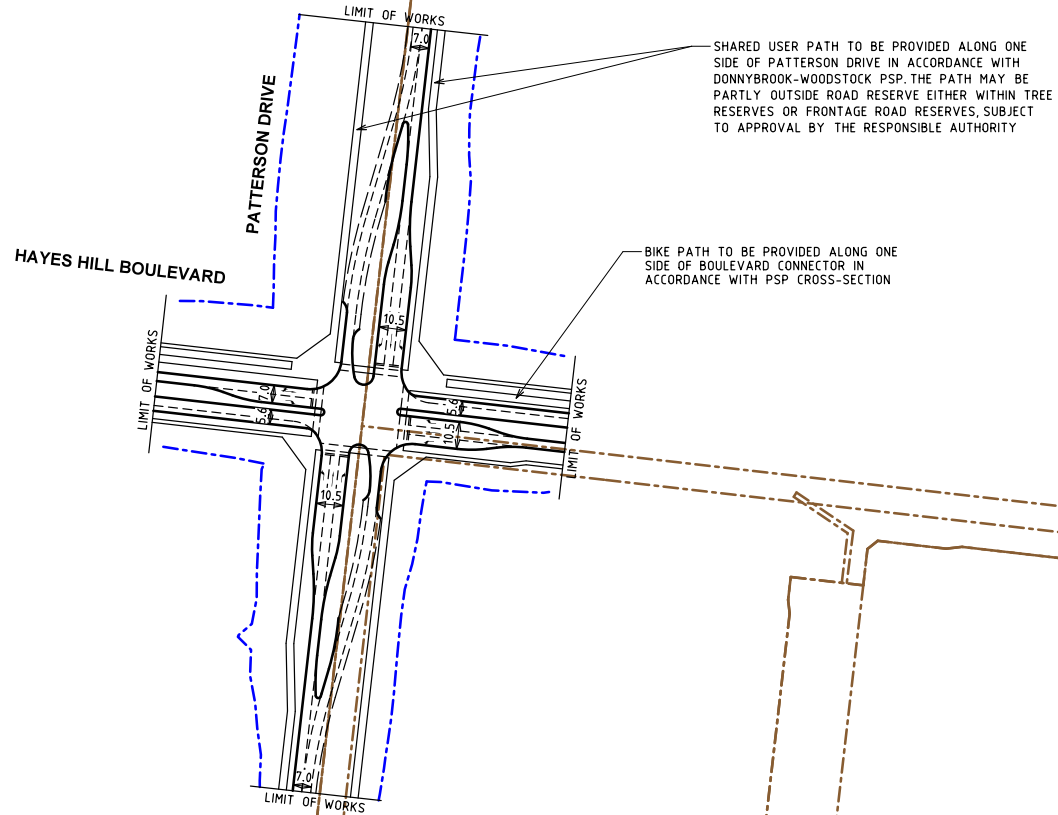
501 Swanton Street, Melbourne, VIC Australia 3000
 Phone (+61 3) 8415 7777 Fax (+61 3) 8415 7788
 Email: k.ksela@cardno.com.au Web: www.cardno.com.au/k.ksela

ABN: 47 106 610 913
 12/04/2019 1:2000 A3

VICROAD COUNTRY STREET DIRECTORY
 MAP REF 427 D5

VICTORIAN PLANNING AUTHORITY
 DONNYBROOK PSP
 DONNYBROOK ROAD, DONNYBROOK
 INTERIM INTERSECTION CONCEPT LAYOUT
 IN-05

Drawn/Check/Date
 JO / SGM / 12.04.2019
 Scale: 1:2000
 Size: A3
 Drawing Number: V181544-TR-SK-0005
 Revisor: 5



PATTERSON DRIVE - SPEED ZONE 60KM/H
HAYES HILL BOULEVARD - SPEED ZONE 50KM/H

NOTE:

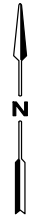
ALL INTERSECTION BOUNDARIES HAVE BEEN ADOPTED AS PER THE DONNYBROOK-WOODSTOCK PSP (BASED ON PREVIOUS ONEMILEGRID DESIGNS)

ONEMILEGRID DESIGN ADOPTED

AMENDMENTS MADE TO REDUCE DESIGN SPEEDS FOR INTERIM PRIMARY ARTERIAL AND SECONDARY ARTERIAL ROADS TO 60KM/H AND CONNECTOR STREETS TO 50KM/H

FURTHER AMENDMENTS MADE IN ACCORDANCE WITH PANEL REPORT RECOMMENDATIONS

VICROADS COUNTRY STREET DIRECTORY
MAP REF 427 C5



© Cardno Limited
All Rights Reserved.

This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer.

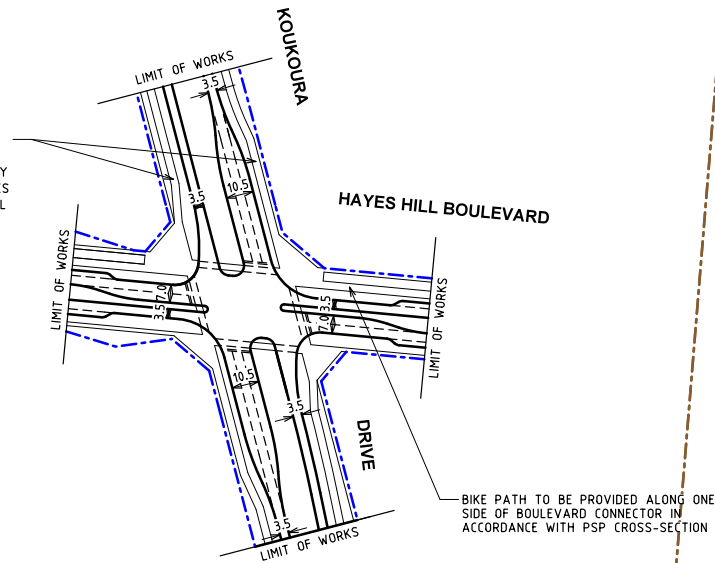
Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

Cardno
Shaping the Future

ABN 47 106 610 913
501 Swanton Street, Melbourne, VIC Australia 3000
Phone: (+61 3) 8415 7777 Fax: (+61 3) 8415 7788
Email: k.sokal@cardno.com.au Web: www.cardno.com.au/kiosk

VICTORIAN PLANNING AUTHORITY			
DONNYBROOK PSP			
DONNYBROOK ROAD, DONNYBROOK			
INTERIM INTERSECTION CONCEPT LAYOUT			
IN-06			
Drawn/Check/Date	Scale	Size	
LS / SGM 12.04.2019	1:2000	A3	
Drawing Number	Revision		
V181544-TR-SK-0006	3		

SHARED USER PATHS TO BE PROVIDED ALONG BOTH SIDES OF KOUKOURA DRIVE IN ACCORDANCE WITH DONNYBROOK-WOODSTOCK PSP. PATHS MAY BE PARTLY OUTSIDE ROAD RESERVE EITHER WITHIN TREE RESERVES OR FRONTAGE ROAD RESERVES, SUBJECT TO APPROVAL BY THE RESPONSIBLE AUTHORITY



KOUKOURA DRIVE - SPEED ZONE 60KM/H
HAYES HILL BOULEVARD - SPEED ZONE 50KM/H

NOTE:

ALL INTERSECTION BOUNDARIES HAVE BEEN ADOPTED AS PER THE DONNYBROOK-WOODSTOCK PSP (BASED ON PREVIOUS ONEMILEGRID DESIGNS)

ONEMILEGRID DESIGN ADOPTED
AMENDMENTS MADE TO REDUCE DESIGN SPEEDS FOR INTERIM PRIMARY ARTERIAL AND SECONDARY ARTERIAL ROADS TO 60KM/H AND CONNECTOR STREETS TO 50KM/H
FURTHER AMENDMENTS MADE IN ACCORDANCE WITH PANEL REPORT RECOMMENDATIONS

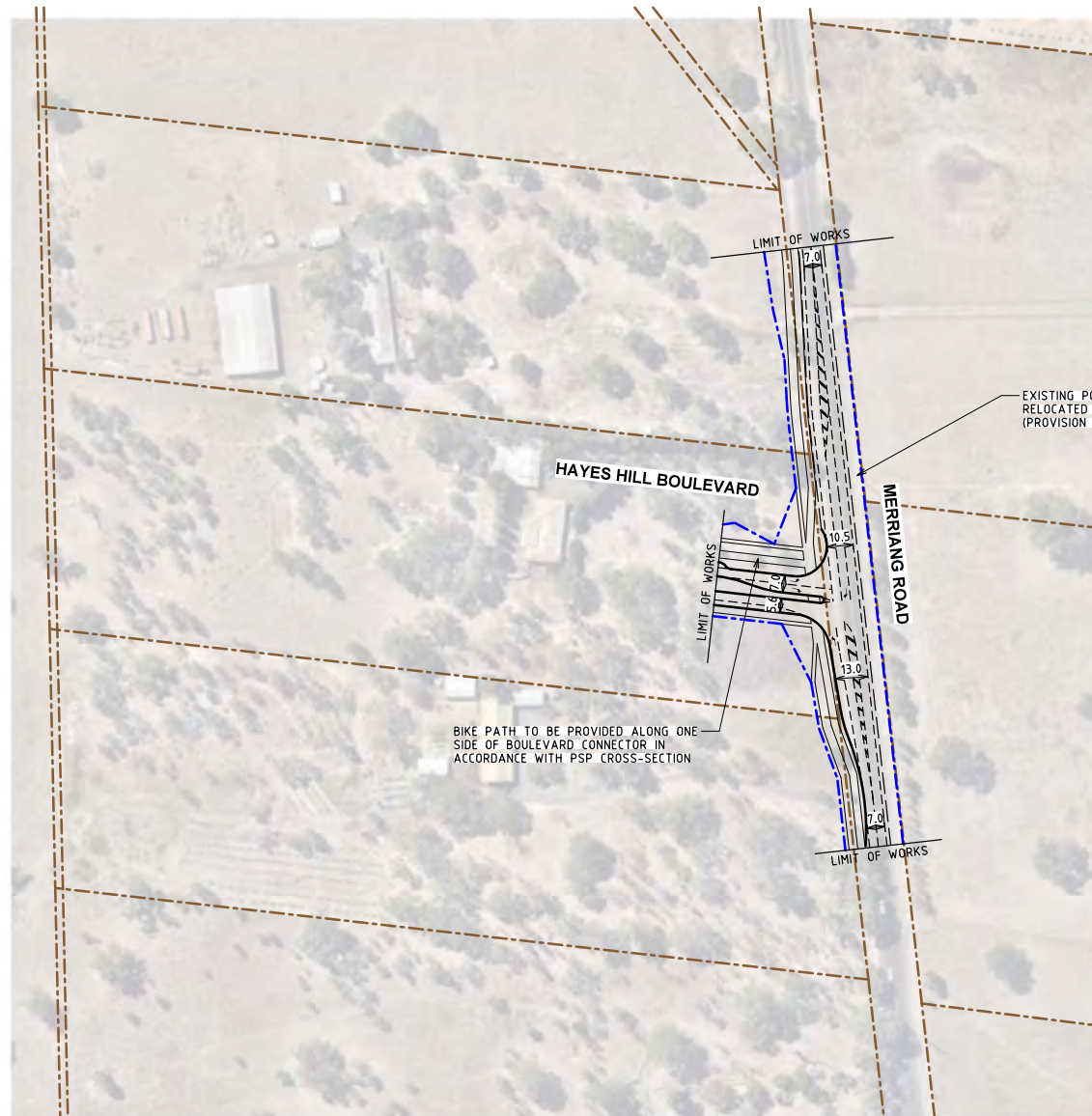
VICROADS COUNTRY STREET DIRECTORY
MAP REF 427 D5



© Cardno Limited
All Rights Reserved.
This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer.
Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

Cardno
Shaping the Future
501 Swanton Street, Melbourne, VIC Australia 3000
Phone: (+61 3) 8415 7777 Fax: (+61 3) 8415 7788
Email: k.sokal@cardno.com.au Web: www.cardno.com.au/uk/au

VICTORIAN PLANNING AUTHORITY
DONNYBROOK PSP
DONNYBROOK ROAD, DONNYBROOK
INTERIM INTERSECTION CONCEPT LAYOUT
IN-07
Drawn/Check/Date
JO / SGM | 12.04.2019
Scale 1:2000
Size A3
Drawing Number
V181544-TR-SK-0007
Revised
3



NOTE:

ALL INTERSECTION BOUNDARIES HAVE BEEN ADOPTED AS PER THE DONNYBROOK-WOODSTOCK PSP (BASED ON PREVIOUS ONEMILEGRID DESIGNS)

ONEMILEGRID DESIGN ADOPTED
AMENDMENTS MADE TO REDUCE DESIGN SPEEDS FOR INTERIM PRIMARY ARTERIAL AND SECONDARY ARTERIAL ROADS TO 60KM/H AND CONNECTOR STREETS TO 50KM/H
FURTHER AMENDMENTS MADE IN ACCORDANCE WITH PANEL REPORT RECOMMENDATIONS

© Cardno Limited
All Rights Reserved.
This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

Cardno
Shaping the Future

ABN: 47 106 610 913
501 Swanton Street, Melbourne, VIC Australia 3000
Phone: (+61 3) 8415 7777 Fax: (+61 3) 8415 7788
Email: k.saha@cardno.com.au Web: www.cardno.com.au/k.saha

VICROADS COUNTRY STREET DIRECTORY
MAP REF 427 C5

VICTORIAN PLANNING AUTHORITY DONNYBROOK PSP DONNYBROOK ROAD, DONNYBROOK INTERIM INTERSECTION CONCEPT LAYOUT IN-08			
Drawn/Check/Date NB / SGM / 24.01.2020	Scale 1:2000	Size A3	Revised 2
Drawing Number V181544-TR-SK-0008			

SHARED USER PATH TO BE PROVIDED ALONG ONE SIDE OF CAMERON STREET IN ACCORDANCE WITH DONNYBROOK-WOODSTOCK PSP. THE PATH MAY BE PARTLY OUTSIDE ROAD RESERVE EITHER WITHIN TREE RESERVES OR FRONTAGE ROAD RESERVES, SUBJECT TO APPROVAL BY THE RESPONSIBLE AUTHORITY

PROPOSED CONNECTOR ROAD

BIKE PATH TO BE PROVIDED ALONG ONE SIDE OF CONNECTOR ROAD IN ACCORDANCE WITH PSP CROSS-SECTION

CAMERON STREET

CAMERON STREET - SPEED ZONE 60KM/H
PROPOSED CONNECTOR ROAD - SPEED ZONE 50KM/H

NOTE:

ALL INTERSECTION BOUNDARIES HAVE BEEN ADOPTED AS PER THE DONNYBROOK-WOODSTOCK PSP (BASED ON PREVIOUS ONEMILEGRID DESIGNS)

ONEMILEGRID DESIGN ADOPTED
AMENDMENTS MADE TO REDUCE DESIGN SPEEDS FOR INTERIM PRIMARY ARTERIAL AND SECONDARY ARTERIAL ROADS TO 60KM/H AND CONNECTOR STREETS TO 50KM/H
FURTHER AMENDMENTS MADE IN ACCORDANCE WITH PANEL REPORT RECOMMENDATIONS

© Cardno Limited
All Rights Reserved.

This document is produced by Cardno Limited solely for the benefit of and use by the client. In accordance with the terms of the retainer, Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



VICROADS COUNTRY STREET DIRECTORY
MAP REF 427 C5

VICTORIAN PLANNING AUTHORITY DONNYBROOK PSP DONNYBROOK ROAD, DONNYBROOK INTERIM INTERSECTION CONCEPT LAYOUT IN-09			
Drawn/Check/Date NB / SGM / 24.01.2020	Scale 1:2000	Size A3	Revised 2
Drawing Number V181544-TR-SK-0009			

SHARED USER PATH TO BE PROVIDED ALONG ONE SIDE OF CAMERON STREET (WEST OF PATTERSON DRIVE) IN ACCORDANCE WITH DONNYBROOK-WOODSTOCK PSP. THE PATH MAY BE PARTLY OUTSIDE ROAD RESERVE EITHER WITHIN TREE RESERVES OR FRONTAGE ROAD RESERVES, SUBJECT TO APPROVAL BY THE RESPONSIBLE AUTHORITY

SHARED USER PATH TO BE PROVIDED ALONG ONE SIDE OF PATTERSON DRIVE IN ACCORDANCE WITH PSP CROSS-SECTION. PATHS MAY BE PARTLY OUTSIDE ROAD RESERVE EITHER WITHIN TREE RESERVES OR FRONTAGE ROAD RESERVES, SUBJECT TO APPROVAL BY THE RESPONSIBLE AUTHORITY

NOTE:

ALL INTERSECTION BOUNDARIES HAVE BEEN ADOPTED AS PER THE DONNYBROOK-WOODSTOCK PSP (BASED ON PREVIOUS ONEMILEGRID DESIGNS)

ONEMILEGRID DESIGN ADOPTED
AMENDMENTS MADE TO REDUCE DESIGN SPEEDS FOR INTERIM PRIMARY ARTERIAL AND SECONDARY ARTERIAL ROADS TO 60KM/H AND CONNECTOR STREETS TO 50KM/H
FURTHER AMENDMENTS MADE IN ACCORDANCE WITH PANEL REPORT RECOMMENDATIONS

CAMERON STREET
(WEST OF PATTERSON DRIVE) - SPEED ZONE 60KM/H

CAMERON STREET
(EAST OF PATTERSON DRIVE) - SPEED ZONE 50KM/H

PATTERSON DRIVE - SPEED ZONE 60KM/H

PATTERSON DRIVE

CAMERON STREET

BIKE PATH TO BE PROVIDED ALONG ONE SIDE OF CAMERON STREET (EAST OF PATTERSON DRIVE) IN ACCORDANCE WITH PSP CROSS-SECTION



VICROADS COUNTRY STREET DIRECTORY
MAP REF 427 C5

© Cardno Limited
All Rights Reserved.

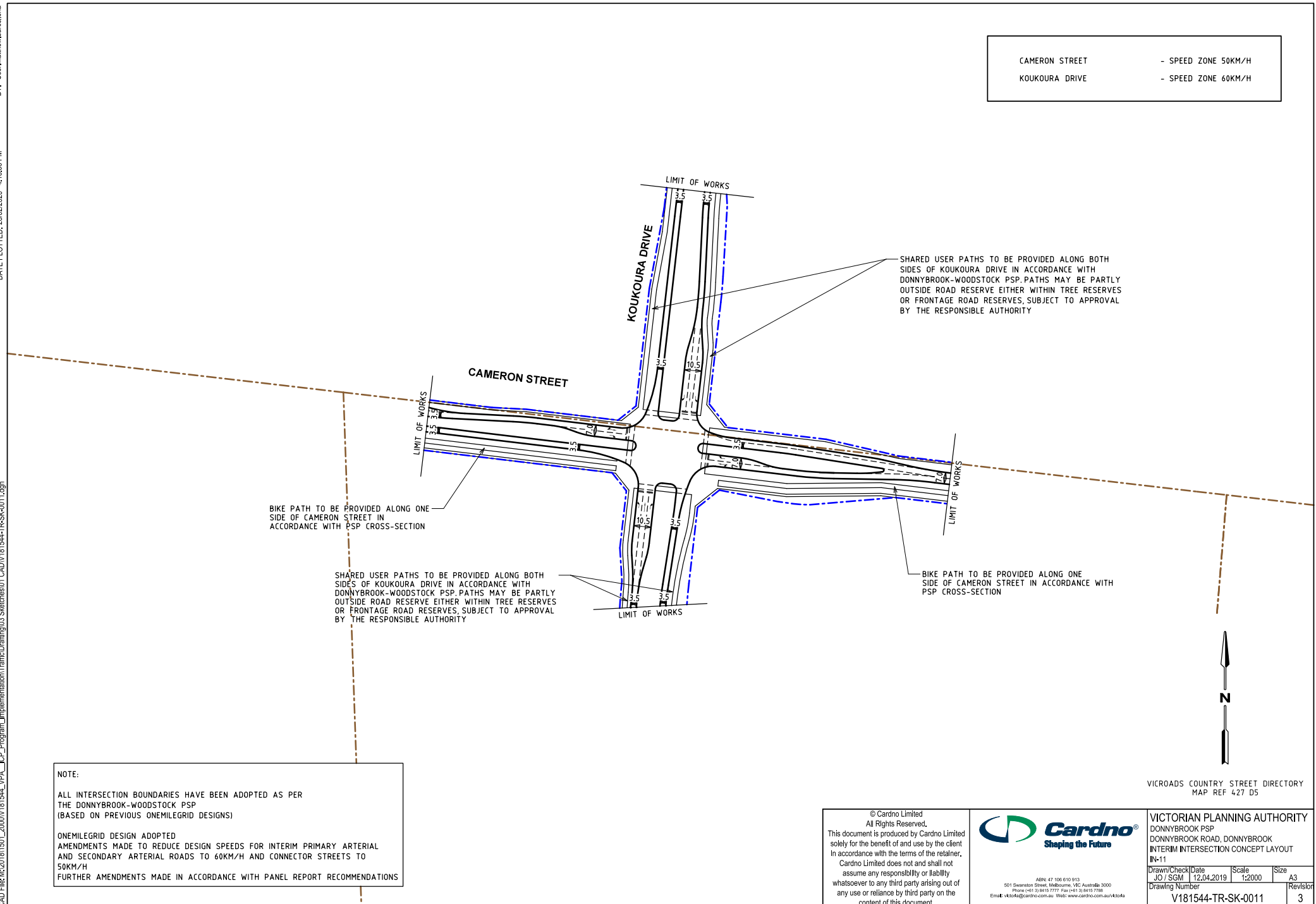
This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



501 Swanton Street, Melbourne, VIC Australia 3000
Phone: (+61 3) 8415 7777 Fax: (+61 3) 8415 7788
Email: k.saha@cardno.com.au Web: www.cardno.com.au/k.saha

VICTORIAN PLANNING AUTHORITY
DONNYBROOK PSP
DONNYBROOK ROAD, DONNYBROOK
INTERIM INTERSECTION CONCEPT LAYOUT
IN-10

Drawn/Check/Date LS / SGM / 12.04.2019	Scale 1:2000	Size A3
Drawing Number V181544-TR-SK-0010	Revisor 3	





ONEMILEGRID DESIGN ADOPTED
AMENDMENTS MADE TO REDUCE DESIGN SPEEDS FOR INTERIM PRIMARY ARTERIAL
AND SECONDARY ARTERIAL ROADS TO 60KM/H AND CONNECTOR STREETS TO
50KM/H
FURTHER AMENDMENTS MADE IN ACCORDANCE WITH PANEL REPORT RECOMMENDATIONS

© Cardno Limited
All Rights Reserved,
This document is produced by Cardno Limited
solely for the benefit of and use by the client
In accordance with the terms of the retainer.
Cardno Limited does not and shall not
assume any responsibility or liability
whatsoever to any third party arising out of
any use or reliance by third party on the
content of this document.

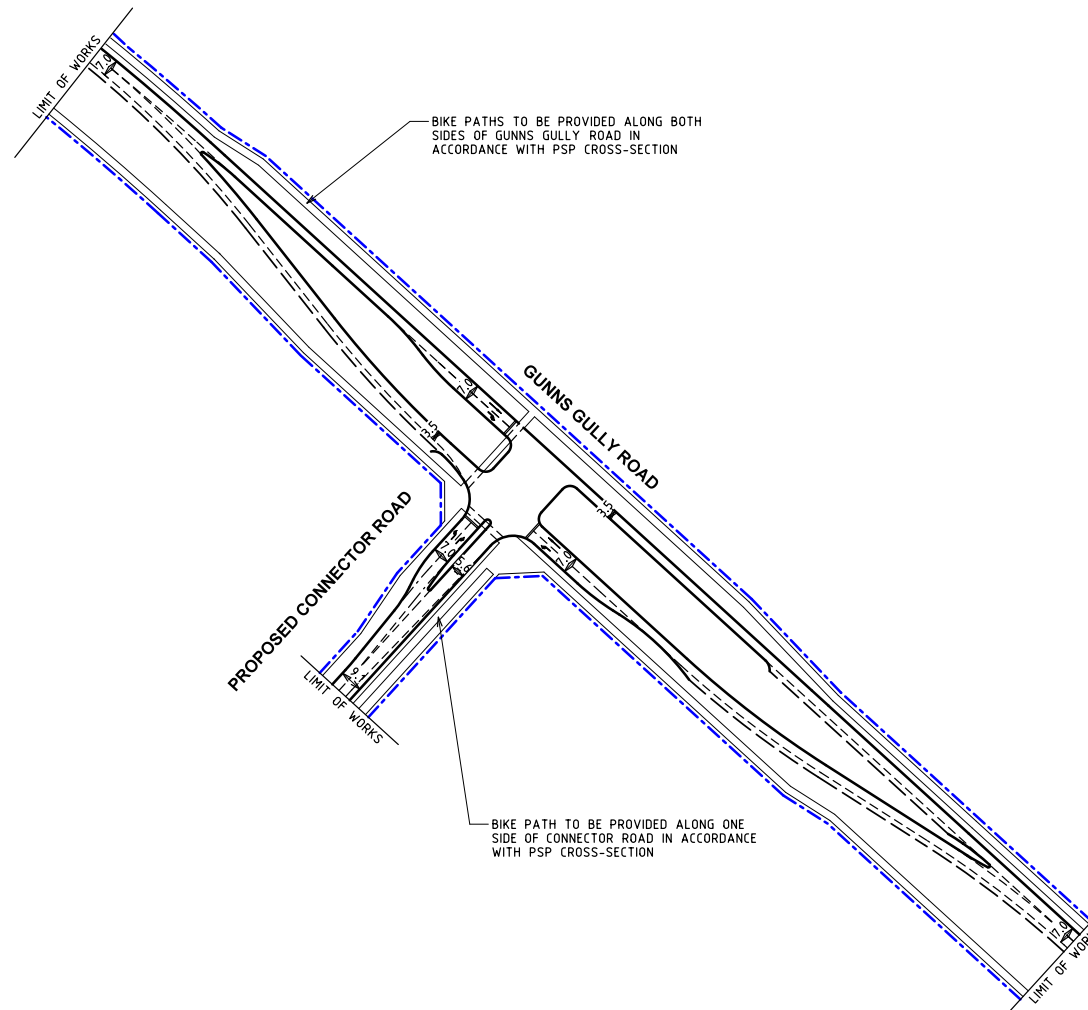


VICTORIAN PLANNING AUTHORITY DONNYBROOK PSP DONNYBROOK ROAD, DONNYBROOK INTERIM INTERSECTION CONCEPT LAYOUT IN-12		
Drawn/Check Date LS / SGM 12.04.2019	Scale 1:2000	Size A3
Drawing Number V181544-TR-SK-0012		Revision 3

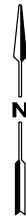
NOTE:

ALL INTERSECTION BOUNDARIES HAVE BEEN ADOPTED AS PER
THE DONNYBROOK-WOODSTOCK PSP
(BASED ON PREVIOUS ONEMILEGRID DESIGNS)

ONEMILEGRID DESIGN ADOPTED
AMENDMENTS MADE TO REDUCE DESIGN SPEEDS FOR INTERIM PRIMARY ARTERIAL
AND SECONDARY ARTERIAL ROADS TO 60KM/H AND CONNECTOR STREETS TO
50KM/H
FURTHER AMENDMENTS MADE IN ACCORDANCE WITH PANEL REPORT RECOMMENDATIONS



GUNNS GULLY ROAD - SPEED ZONE 60KM/H
PROPOSED CONNECTOR ROAD - SPEED ZONE 50KM/H



VICROADS COUNTRY STREET DIRECTORY
MAP REF 427 C5

© Cardno Limited
All Rights Reserved.
This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

Cardno
Shaping the Future

501 Swanton Street, Melbourne, VIC Australia 3000
Phone: (+61 3) 8415 7777 Fax: (+61 3) 8415 7788
Email: k.kosta@cardno.com.au Web: www.cardno.com.au/kkosta

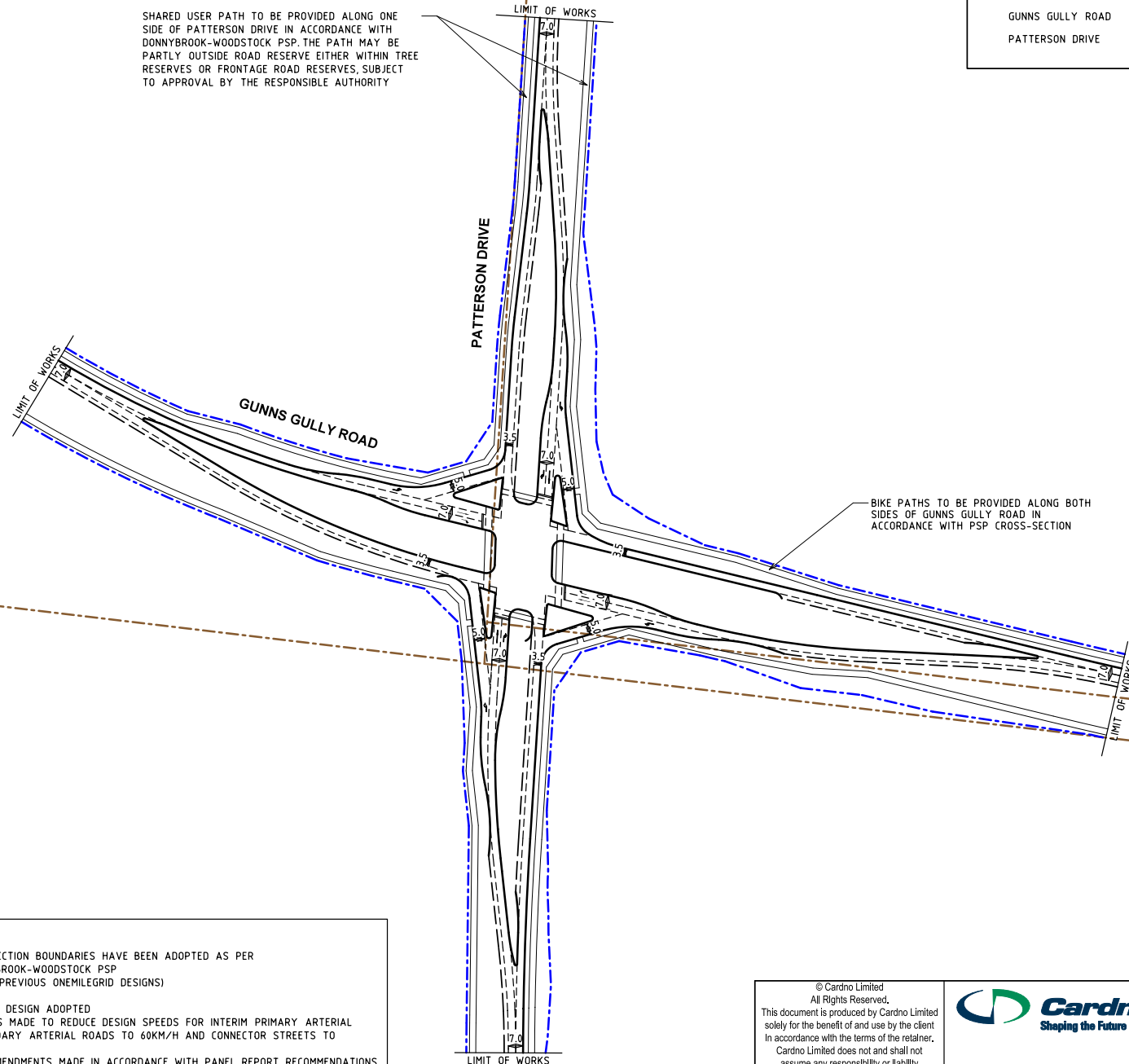
ABN: 47 106 610 913
A/C: 501 Swanton Street, Melbourne, VIC Australia 3000
Phone: (+61 3) 8415 7777 Fax: (+61 3) 8415 7788
Email: k.kosta@cardno.com.au Web: www.cardno.com.au/kkosta

VICTORIAN PLANNING AUTHORITY
DONNYBROOK PSP
DONNYBROOK ROAD, DONNYBROOK
INTERIM INTERSECTION CONCEPT LAYOUT
IN-13

Drawn/Check/Date	Scale	Size
LS / SGM / 12.04.2019	1:2000	A3
Drawing Number	Revised	
V181544-TR-SK-0013	3	

SHARED USER PATH TO BE PROVIDED ALONG ONE SIDE OF PATTERSON DRIVE IN ACCORDANCE WITH DONNYBROOK-WOODSTOCK PSP. THE PATH MAY BE PARTLY OUTSIDE ROAD RESERVE EITHER WITHIN TREE RESERVES OR FRONTAGE ROAD RESERVES, SUBJECT TO APPROVAL BY THE RESPONSIBLE AUTHORITY

GUNNS GULLY ROAD - SPEED ZONE 60KM/H
PATTERSON DRIVE - SPEED ZONE 60KM/H



BIKE PATHS TO BE PROVIDED ALONG BOTH SIDES OF GUNNS GULLY ROAD IN ACCORDANCE WITH PSP CROSS-SECTION

NOTE:

ALL INTERSECTION BOUNDARIES HAVE BEEN ADOPTED AS PER THE DONNYBROOK-WOODSTOCK PSP (BASED ON PREVIOUS ONEMILEGRID DESIGNS)

ONEMILEGRID DESIGN ADOPTED
AMENDMENTS MADE TO REDUCE DESIGN SPEEDS FOR INTERIM PRIMARY ARTERIAL AND SECONDARY ARTERIAL ROADS TO 60KM/H AND CONNECTOR STREETS TO 50KM/H
FURTHER AMENDMENTS MADE IN ACCORDANCE WITH PANEL REPORT RECOMMENDATIONS

VICROADS COUNTRY STREET DIRECTORY
MAP REF 427 C5

© Cardno Limited
All Rights Reserved.
This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

Cardno
Shaping the Future
ABN 47 106 610 913
501 Swanton Street, Melbourne, VIC Australia 3000
Phone (+61 3) 8415 7777 Fax (+61 3) 8415 7788
Email: v.kosta@cardno.com.au Web: www.cardno.com.au/uk/au

VICTORIAN PLANNING AUTHORITY
DONNYBROOK PSP
DONNYBROOK ROAD, DONNYBROOK
INTERIM INTERSECTION CONCEPT LAYOUT
IN-14
Drawn/Check/Date
LS / SGM / 12.04.2019
Scale 1:2000
Size A3
Drawing Number V181544-TR-SK-0014
Revised 3

NOTE:

ALL INTERSECTION BOUNDARIES HAVE BEEN ADOPTED AS PER THE DONNYBROOK-WOODSTOCK PSP (BASED ON PREVIOUS ONEMILEGRID DESIGNS)

ONEMILEGRID DESIGN ADOPTED
AMENDMENTS MADE TO REDUCE DESIGN SPEEDS FOR INTERIM PRIMARY ARTERIAL AND SECONDARY ARTERIAL ROADS TO 60KM/H AND CONNECTOR STREETS TO 50KM/H
FURTHER AMENDMENTS MADE IN ACCORDANCE WITH PANEL REPORT RECOMMENDATIONS

BIKE PATH TO BE PROVIDED ALONG ONE SIDE OF KOUKOURA DRIVE (NORTH OF GUNNS GULLY ROAD) IN ACCORDANCE WITH PSP CROSS-SECTION

LIMIT OF WORKS

GUNNS GULLY ROAD

BIKE PATHS TO BE PROVIDED ALONG ONE SIDE OF GUNNS GULLY ROAD IN ACCORDANCE WITH PSP CROSS-SECTION

KOUKOURA DRIVE

LIMIT OF WORKS

SHARED USER PATHS TO BE PROVIDED ALONG BOTH SIDES OF KOUKOURA DRIVE (SOUTH OF GUNNS GULLY ROAD) IN ACCORDANCE WITH DONNYBROOK-WOODSTOCK PSP. PATHS MAY BE PARTLY OUTSIDE ROAD RESERVE EITHER WITHIN TREE RESERVES OR FRONTAGE ROAD RESERVES, SUBJECT TO APPROVAL BY THE RESPONSIBLE AUTHORITY

GUNNS GULLY ROAD - SPEED ZONE 60KM/H
KOUKOURA DRIVE (NORTH OF GUNNS GULLY ROAD) - SPEED ZONE 50KM/H
KOUKOURA DRIVE (SOUTH OF GUNNS GULLY ROAD) - SPEED ZONE 60KM/H

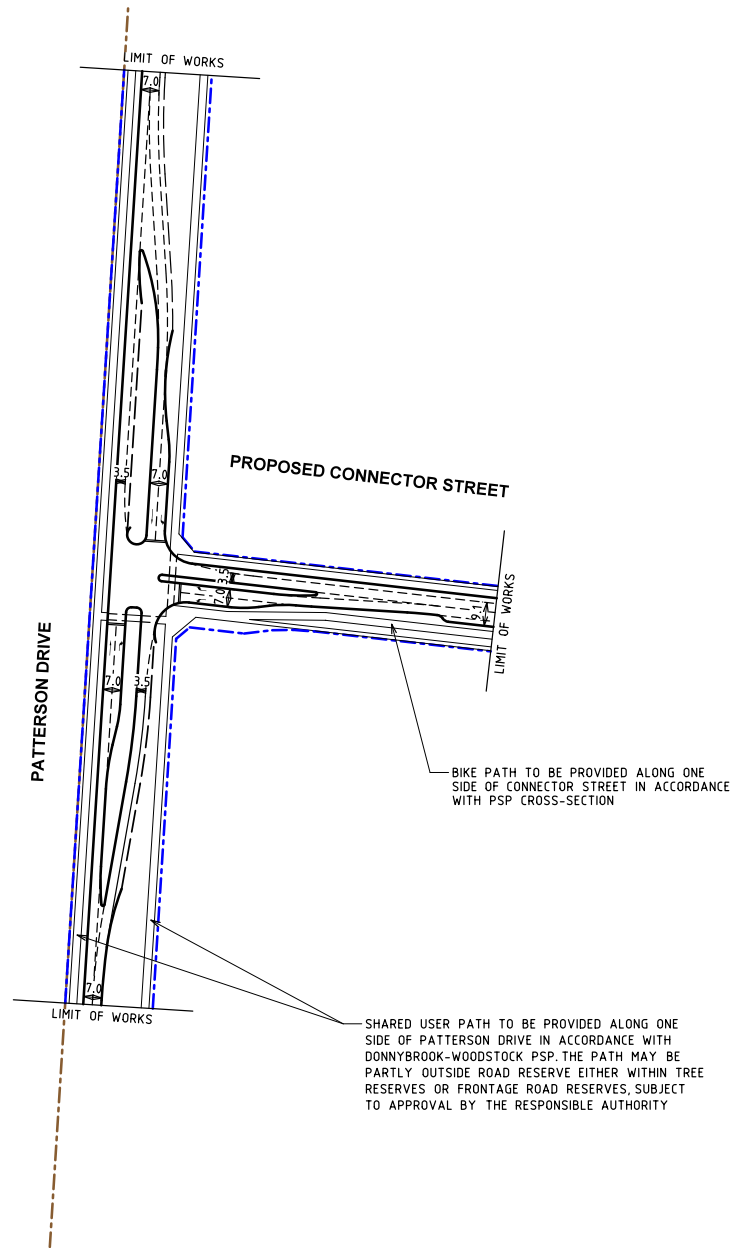


VICROADS COUNTRY STREET DIRECTORY
MAP REF 427 D4

© Cardno Limited
All Rights Reserved.
This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer.
Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

Cardno
Shaping the Future
ABN 47 106 610 913
501 Swanton Street, Melbourne, VIC Australia 3000
Phone (+61 3) 8415 7777 Fax (+61 3) 8415 7788
Email: k.kota@cardno.com.au Web: www.cardno.com.au/kkota

VICTORIAN PLANNING AUTHORITY
DONNYBROOK PSP
DONNYBROOK ROAD, DONNYBROOK
INTERIM INTERSECTION CONCEPT LAYOUT
IN-15
Drawn/Check/Date
JO / SGM | 12.04.2019
Scale 1:2000
Size A3
Drawing Number
V181544-TR-SK-0015
Revised
3



PATTERSON DRIVE - SPEED ZONE 60KM/H
 PROPOSED CONNECTOR STREET - SPEED ZONE 50KM/H

NOTE:

ALL INTERSECTION BOUNDARIES HAVE BEEN ADOPTED AS PER THE DONNYBROOK-WOODSTOCK PSP

VICROADS COUNTRY STREET DIRECTORY
 MAP REF 427 D4

© Cardno Limited
 All Rights Reserved.
 This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

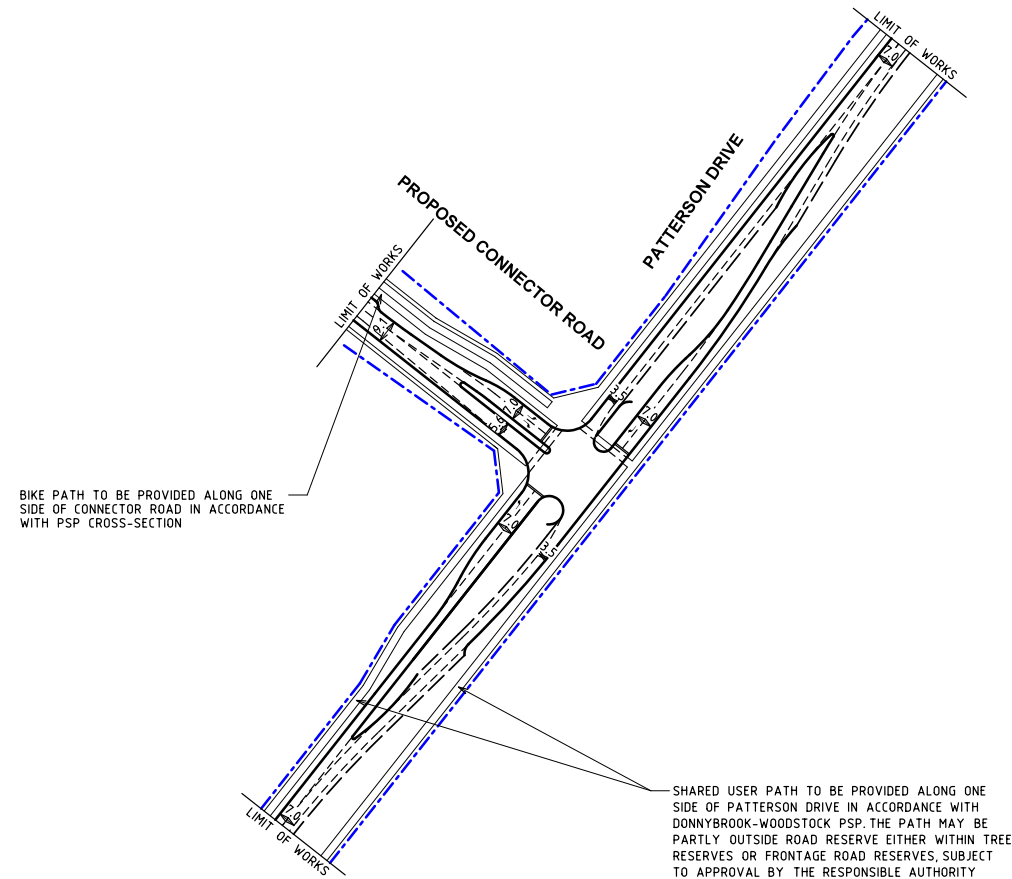
Cardno
 Shaping the Future

ABN 47 106 610 913
 551 Swanton Street, Melbourne, VIC Australia 3000
 Phone (+61 3) 8415 7777 Fax (+61 3) 8415 7788
 Email: k.saha@cardno.com.au Web: www.cardno.com.au/australia

VICTORIAN PLANNING AUTHORITY
 DONNYBROOK PSP
 DONNYBROOK ROAD, DONNYBROOK
 INTERIM INTERSECTION CONCEPT LAYOUT
 IN-16

Drawn/Check/Date	Scale	Size
NB / SGM / 24.01.2020	1:2000	A3
Drawing Number	Revison	
V181544-TR-SK-0016	3	

PATTERSON DRIVE - SPEED ZONE 60KM/H
 PROPOSED CONNECTOR ROAD - SPEED ZONE 50KM/H

**NOTE:**

ALL INTERSECTION BOUNDARIES HAVE BEEN ADOPTED AS PER THE DONNYBROOK-WOODSTOCK PSP (BASED ON PREVIOUS ONEMILEGRID DESIGNS)

ONEMILEGRID DESIGN ADOPTED
 AMENDMENTS MADE TO REDUCE DESIGN SPEEDS FOR INTERIM PRIMARY ARTERIAL AND SECONDARY ARTERIAL ROADS TO 60KM/H AND CONNECTOR STREETS TO 50KM/H
 FURTHER AMENDMENTS MADE IN ACCORDANCE WITH PANEL REPORT RECOMMENDATIONS

© Cardno Limited
 All Rights Reserved.

This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

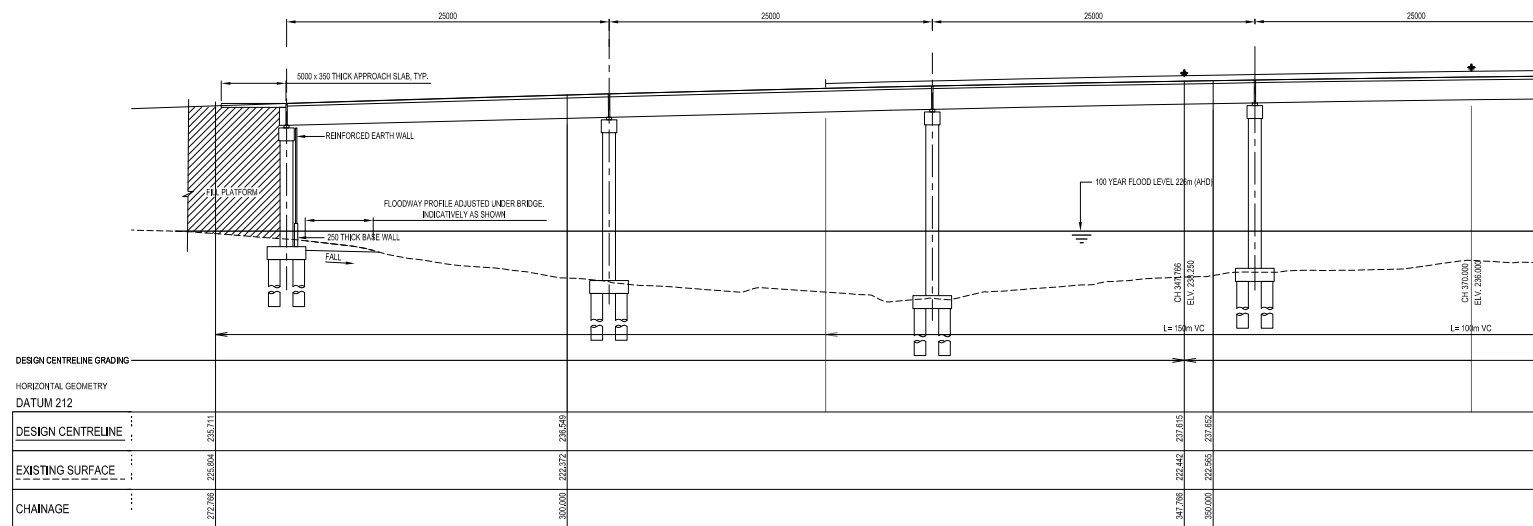


ABN 47 106 610 913
 501 Swanton Street, Melbourne, VIC Australia 3000
 Phone (+61 3) 8415 7777 Fax (+61 3) 8415 7788
 Email: k.santa@cardno.com.au Web: www.cardno.com.au/ukinda

VICROADS COUNTRY STREET DIRECTORY
 MAP REF 427 C5

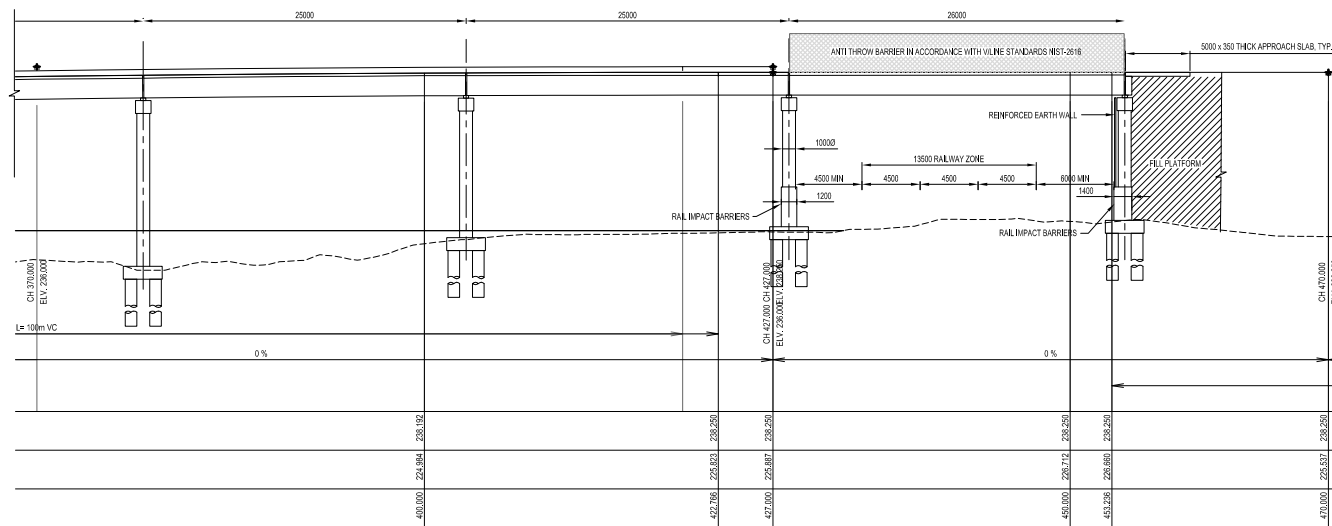
VICTORIAN PLANNING AUTHORITY
 DONNYBROOK PSP
 DONNYBROOK ROAD, DONNYBROOK
 INTERIM INTERSECTION CONCEPT LAYOUT
 In-17

Drawn/Check/Date	Scale	Size
LS / SGM / 12.04.2019	1:2000	A3
Drawing Number	Revised	
V181544-TR-SK-0017	3	



BRIDGE 1 (OPTION 2) LONGITUDINAL SECTION

HOR 1 : 200
VER 1 : 200



BRIDGE 1 (OPTION 2) LONGITUDINAL SECTION - CONTINUATION

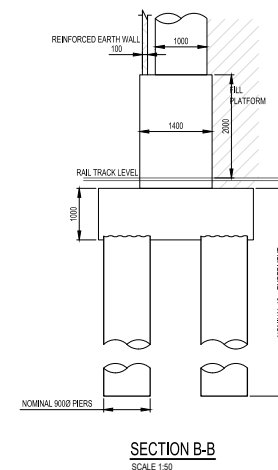
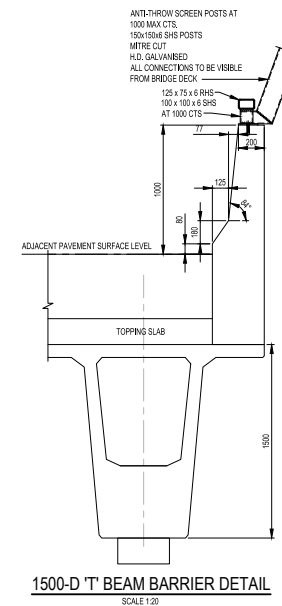
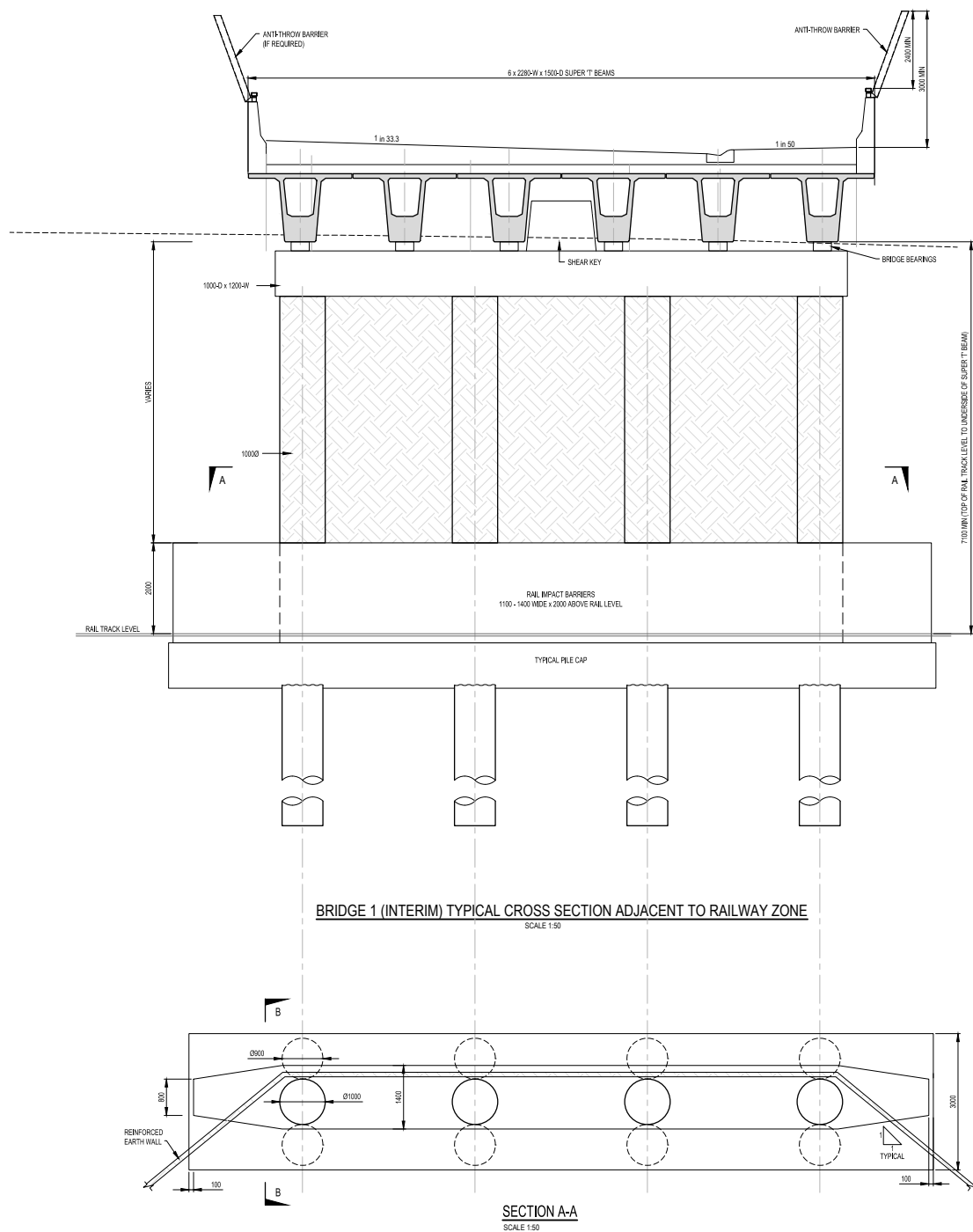
HOR 1 : 200
VER 1 : 200

3	PRELIMINARY ISSUE - TITLE AMENDED AS REQUEST	26/07/18
2	PRELIMINARY ISSUE	23/09/15
1	PRELIMINARY ISSUE	19/03/15
Issue	Description	Date

Adams
DESIGNING THE FUTURE
Melbourne | Sydney | Geelong
Level 10, 620 Bourke Street
Melbourne Victoria 3000
t +61 3 8600 9700 e projects@adamseng.com.au w www.adamseng.com.au

COPYRIGHT © 2015
These drawings, plans, specifications and the copyright therein are the property of Adams Consulting Engineers Pty. Ltd. and are to be used, reproduced or otherwise made in any form without prior written permission of Adams Consulting Engineers Pty. Ltd. All rights reserved.

Client	ONE MILE GRID										
Architect	JCA LAND CONSULTANTS										
File	BRIDGE 1 (ICP PROJECT ID: BR-01) (OPTION 2) LONGITUDINAL SECTION										
Designed	AS	Drawn	AL	North							
Project Leader	AS	Certified									
Project Director		Sheet Size	A1								
Issue	19/03/15 20:27 PM	by	Henry An								
<p>PRELIMINARY ISSUE NOT TO BE USED FOR CONSTRUCTION</p> <table border="1"> <tr> <td>Project</td> <td>Drawing</td> <td>Revision</td> </tr> <tr> <td>140638 - C003</td> <td>-</td> <td>3</td> </tr> </table>						Project	Drawing	Revision	140638 - C003	-	3
Project	Drawing	Revision									
140638 - C003	-	3									



BR-01 (cross section)

2	PRELIMINARY ISSUE	23/09/15
1	PRELIMINARY ISSUE	19/03/15
Issue	Description	Date

Adams
DESIGNING THE FUTURE
Melbourne | Sydney | Geelong
Level 10, 620 Bourke Street
Melbourne Victoria 3000
t +61 3 8600 9700 e projects@adamsenso.com.au w www.adamsenso.com

Those drawings, plans, specifications & the copyright therein are the property of Adams Consulting Engineers Pty. Ltd. and must not be used, copied or reproduced in any way without the written permission of Adams Consulting Engineers Pty. Ltd. All rights reserved.

Client

Architect
JCA LAND CONSULTANTS

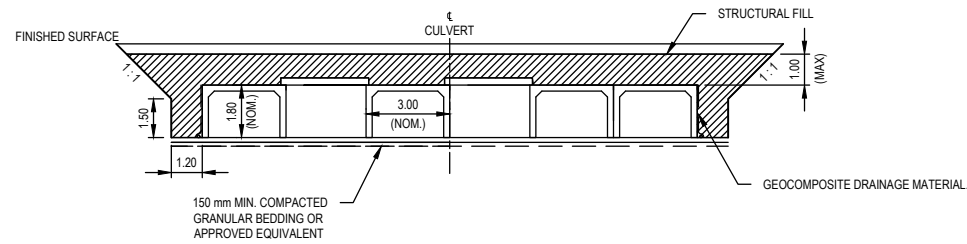
Title
BRIDGE 1 (INTERIM) TYPICAL
CROSS-SECTION ADJACENT
TO RAILWAY ZONE

Designed	AS	Drawn	JL	North 
Project Leader	AS	Certified		
Project Director		Sheet Size	A1	

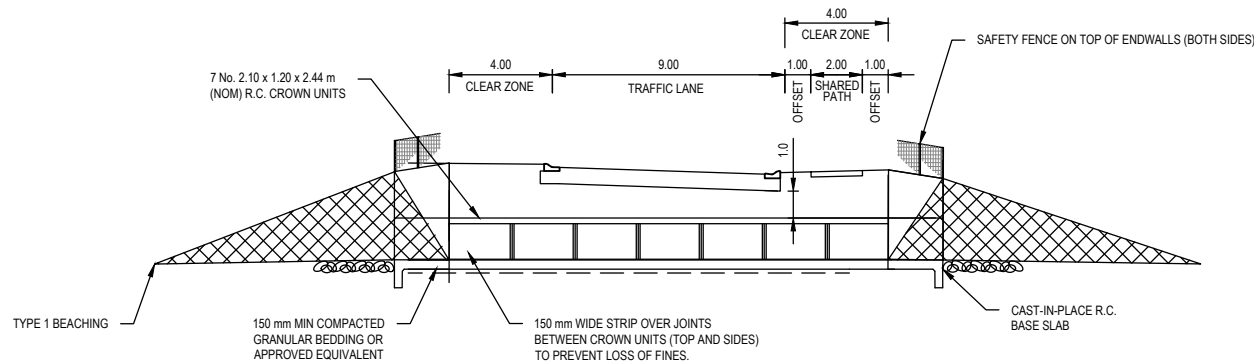
Printed: 9/23/2015 4:02 PM by: Jeremy Lister

PRELIMINARY ISSUE

Project	Drawing	Revision
140638	- C004	- 2



SECTION ELEVATION
 SCALE 1:200
 SCALE 1:200

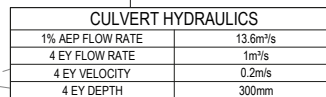


SIDE ELEVATION
 SCALE 1:200
 NOTE: REFER TO DRAWING NO. V170524-CI-DG-2002 FOR SECTION DETAILS

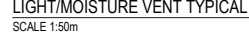
0 5 8m
 SCALE 1:200 @A3

BR-02

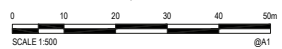
5	28/02/2019	ADDRESS STAKEHOLDER COMMENTS V.2.	CM								
4	4/02/2019	ADDRESS STAKEHOLDER COMMENTS	CM								
3	05/07/2018	ADDRESS VPA COMMENTS	CM								
2	19/03/2018	ADDRESS VPA COMMENTS	VA								
1	14/12/2017	PRELIMINARY ISSUE	RVR								
Rev	Date	Description	Des.	Verif.	Appd.						
						© Cardno Limited All Rights Reserved. This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.			 Cardno Victoria Pty Ltd ABN 47 106 610 913 Level 4, 501 Swanston Street Melbourne VIC 3000 Tel: 03 8415 7777 Fax: 03 8415 7788 Web: www.cardno.com.au		
						Drawn NPV Date 14/12/2017 Checked MEA Date 14/12/2017 Designed RVR Date Verified Date Approved Date			Client VICTORIAN PLANNING AUTHORITY Project BENCH MARK INFRASTRUCTURE COSTING Title ITEM 27 BOX CULVERT 1800X3000 SECONDARY ARTERIAL INTERIM		
									Status PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES Scale 1:200 Size A3 Drawing Number V181544-CI-DG-2039 Revision 5		



HAYES HILL BLVD CULVERT PLAN
SCALE 1:500



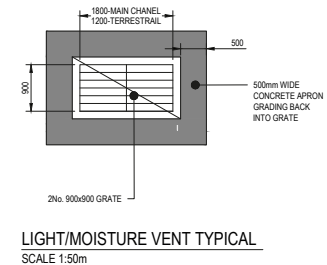
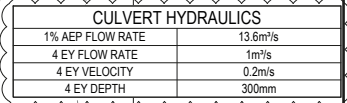
BR-03

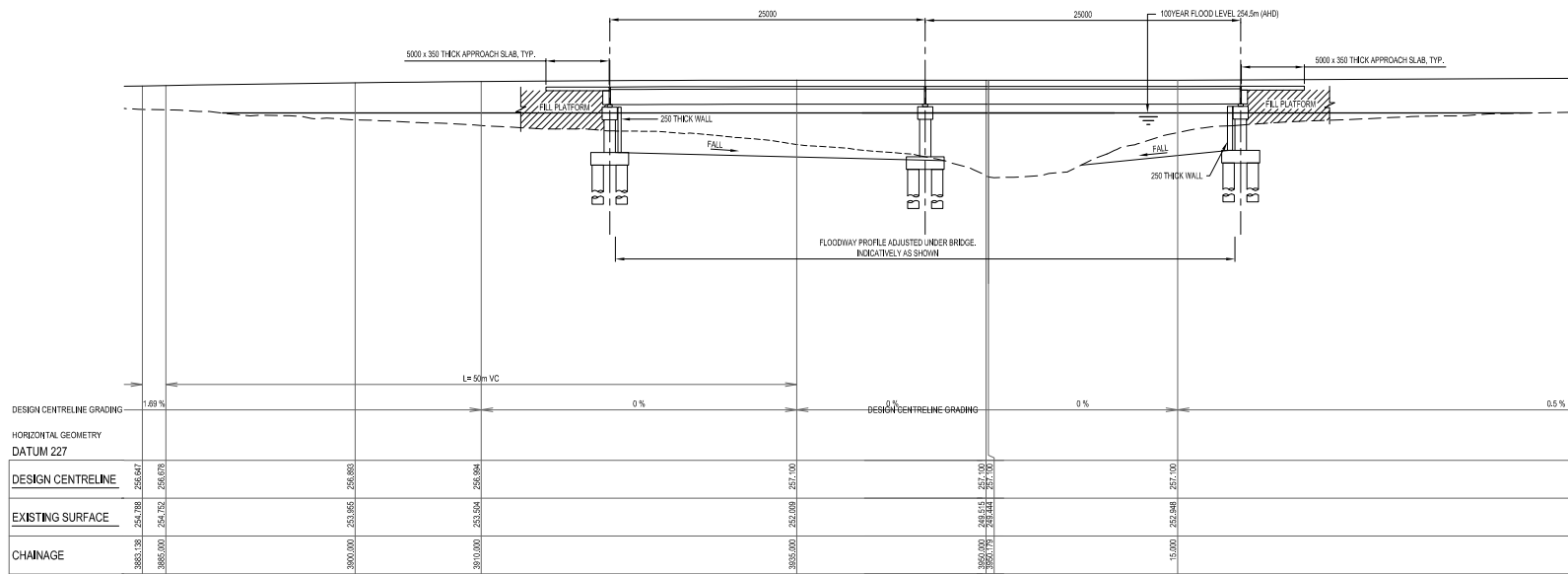


© Cardno Limited All Rights Reserved.
This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



VICTORIAN PLANNING AUTHORITY HAYES HILL BOULEVARD CULVERT PLAN & TYPICAL SECTIONS			
MELWAYS REF 367, J6	Date 25/03/19	Scale AS SHOWN	Size A1
Drawing Number V181544-WE-SK002			Revision 3





BRIDGE 7 LONGITUDINAL SECTION

HOR 1 : 200
VER 1 : 200

2	PRELIMINARY ISSUE - TITLE AMENDED AS REQUEST	20/07/18
1	PRELIMINARY ISSUE	19/03/15
Issue	Description	Date

Adams
DESIGNING THE FUTURE
Melbourne | Sydney | Geelong
Level 10, 620 Bourke Street
Melbourne Victoria 3000
t +61 3 8600 9700 e projects@adamseng.com.au w www.adamseng.com.au

Copyright © 2015
This drawing, when used, is the property of Adams Consulting Engineers Pty Ltd. It is not to be used, reproduced or modified without the prior written permission of Adams Consulting Engineers Pty Ltd. All rights reserved.

Client
ONE MILE GRID

Architect
JCA LAND CONSULTANTS

Title
BRIDGE 7 (ICP PROJECT ID:BR-05)
LONGITUDINAL SECTION

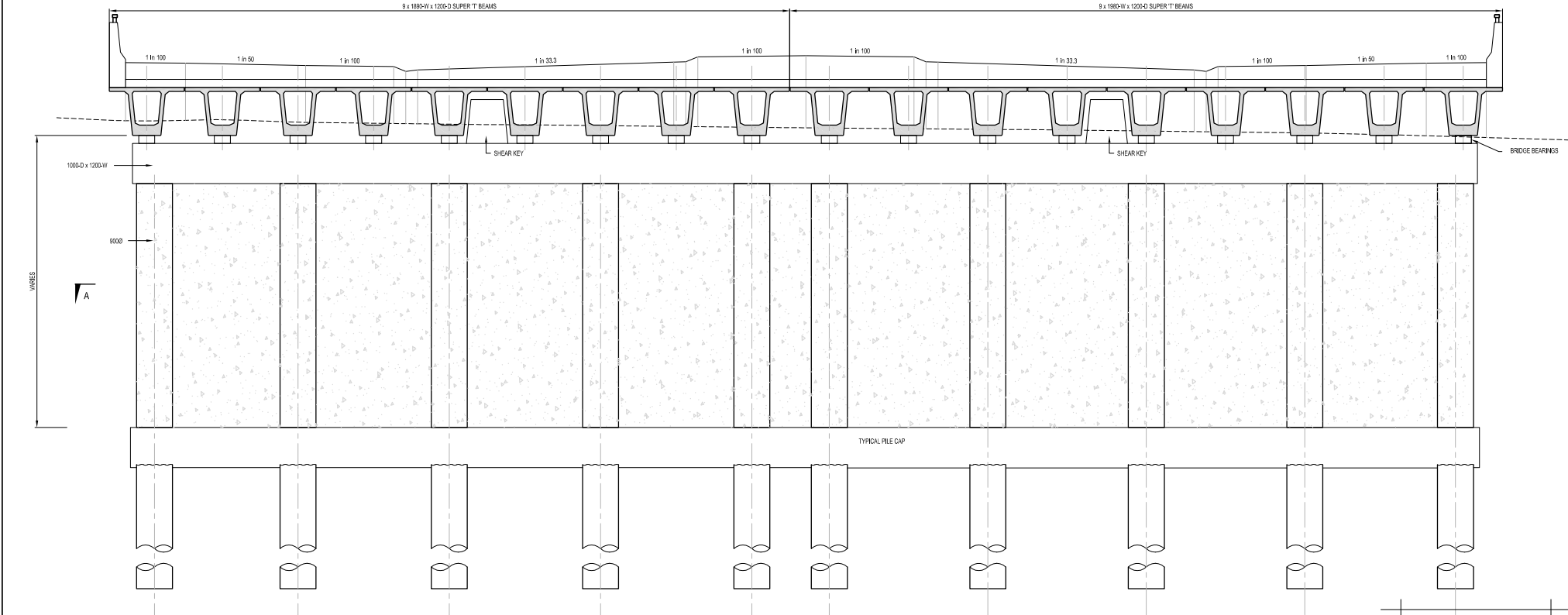
Designed	AS	Drawn	JL	North
Project Leader	AS	Certified		
Project Director		Sheet Size	A1	

Name: 19/03/15 (2015) by: Henry J.

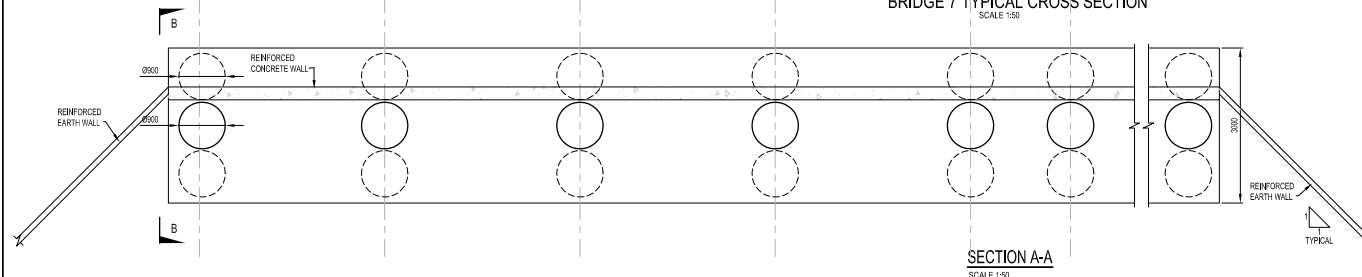
PRELIMINARY ISSUE
NOT TO BE USED FOR CONSTRUCTION

Project	Drawing	Revision
140638 - C006	-	2

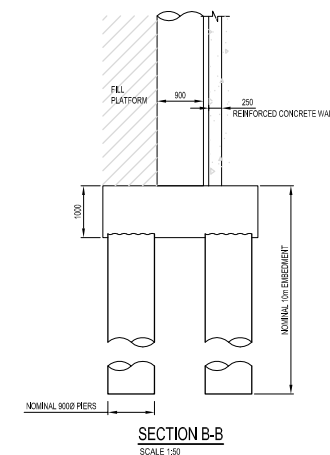
BR-05



BRIDGE 7 TYPICAL CROSS SECTION
SCALE 1:50



SECTION A-A
SCALE 1:50



SECTION B-B
SCALE 1:50

BR-05 (cross section)

2	PRELIMINARY ISSUE - TITLE AMENDED AS REQUEST	20/07/18
1	PRELIMINARY ISSUE	19/03/15
Issue	Description	Date

Adams
DESIGNING THE FUTURE
Melbourne | Sydney | Geelong
Level 10, 620 Bourke Street
Melbourne Victoria 3000
t +61 3 8600 9700 e projects@adamsmeng.com.au w www.adamsmeng.com.au

copyright © 2015
This drawing and its contents are the property of Adams Design Engineering Pty. Ltd. All rights reserved.
Use, reproduction or modification in any form without prior written permission of Adams Design Engineering Pty. Ltd. is prohibited.

Client
ONE MILE GRID

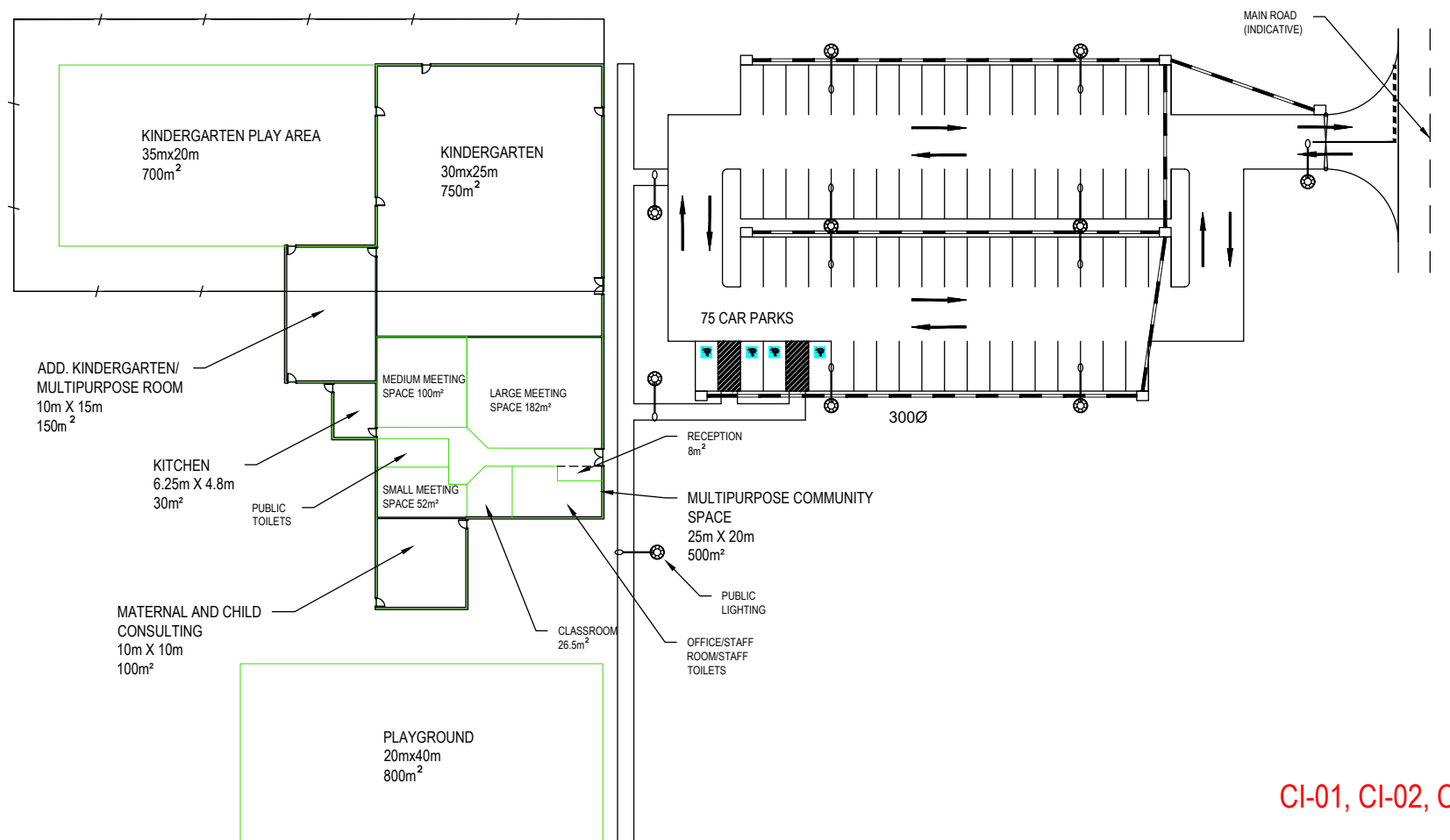
Architect
JCA LAND CONSULTANTS

Title
**BRIDGE 7 (ICP PROJECT ID:BR-05)
TYPICAL CROSS-SECTION**

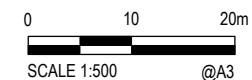
Designed	AS	Drawn	AL	North
Project Leader	AS	Certified		
Project Director		Sheet Size	A1	
Issue 19/03/15 2:16 PM	by Henry An			

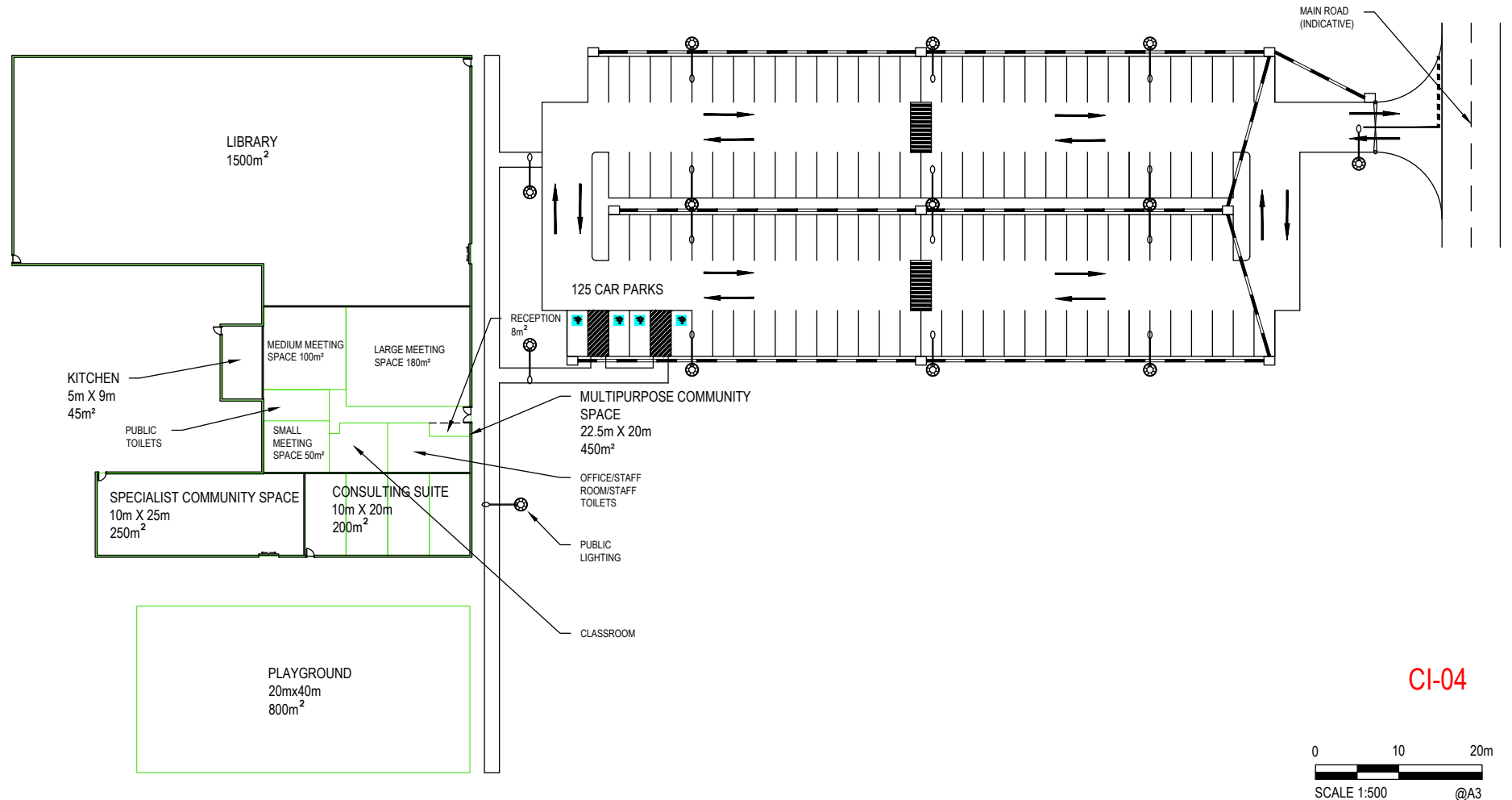
PRELIMINARY ISSUE
NOT TO BE USED FOR CONSTRUCTION

Project Drawing Revision
140638 - C007 - 2



CI-01, CI-02, CI-03, CI-05

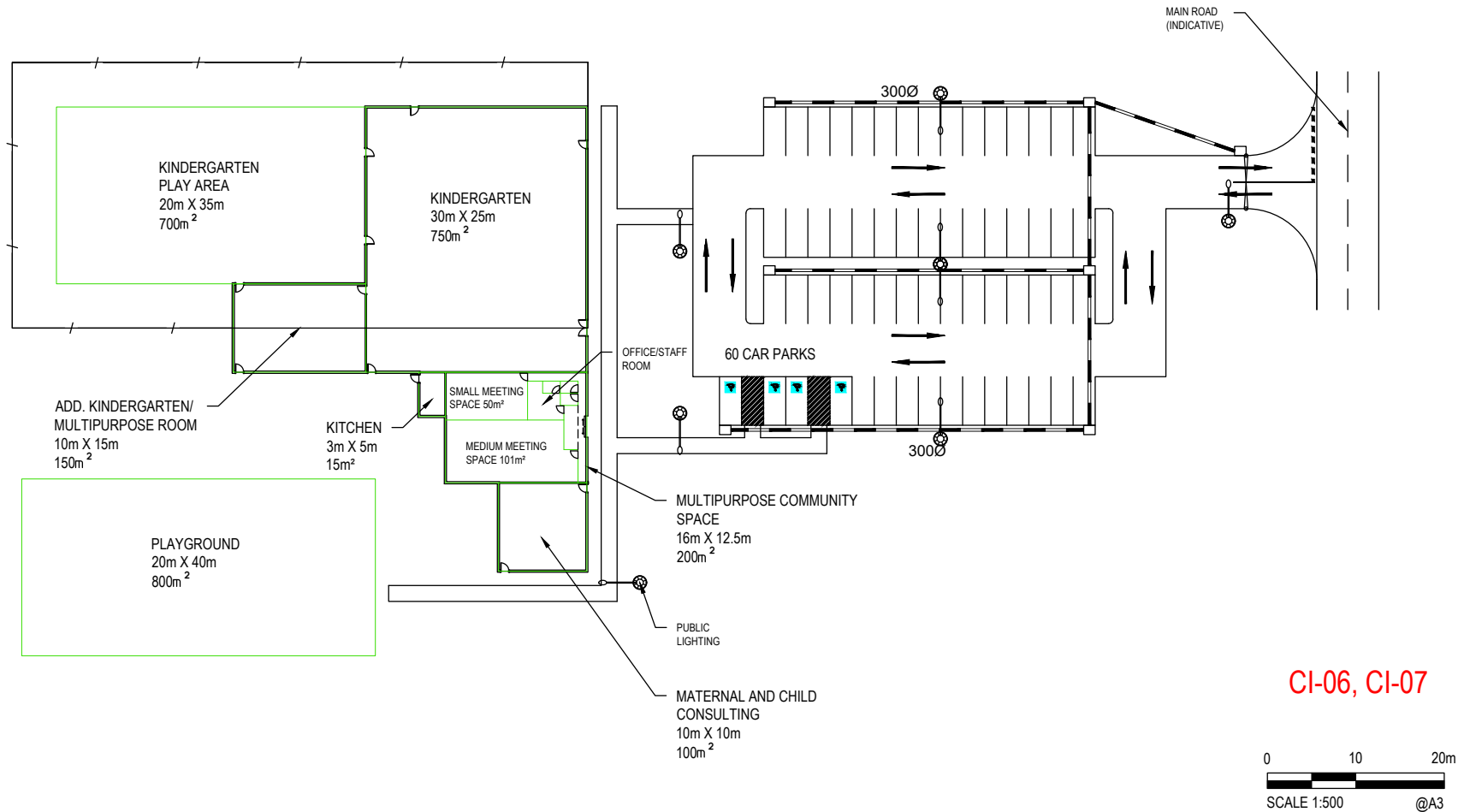
[illegible]



CI-04

0 10 20m
 SCALE 1:500 @A3

							© Cardno Limited All Rights Reserved. This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.		 Cardno Shaping the Future Cardno Victoria Pty Ltd ABN 47 106 610 913 Level 4, 501 Swanston Street Melbourne VIC 3000 Tel: 03 8415 7777 Fax: 03 8415 7788 Web: www.cardno.com.au		Drawn VA Date 5/03/2018 Checked CP Date 5/03/2018 Designed VA Date Verified VA Date Approved Date		Client VICTORIAN PLANNING AUTHORITY Project BENCH MARK INFRASTRUCTURE COSTING Title ITEM 39 COMMUNITY FACILITIES - LEVEL 3 ULTIMATE		Status PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES Scale 1:500 Size A3 Drawing Number V181544-CI-DG-2051 Revision 3						
3	4/02/2019	ADDRESS STAKEHOLDER COMMENTS					CM														
2	19/03/2018	ADDRESS VPA COMMENTS					VA														
1		NOT ISSUED																			
Rev	Date	Description					Des	Verif	Appd												

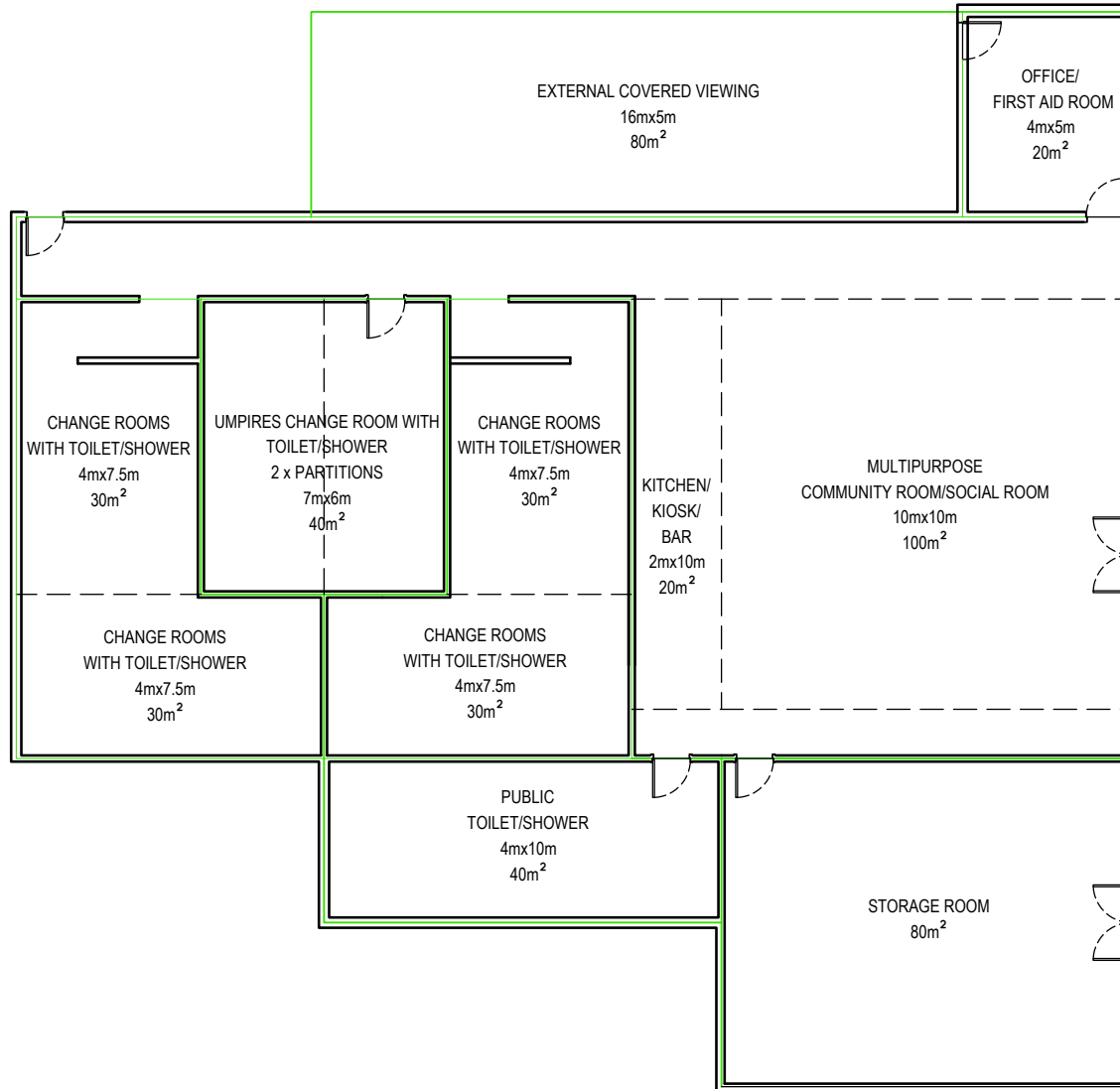


Rev	Date	Description	Des.	Verif.	Appd.
3	4/02/2019	ADDRESS STAKEHOLDER COMMENTS	CM		
2	19/03/2018	ADDRESS VPA COMMENTS	VA		
1		NOT ISSUED			

© Cardno Limited
 All Rights Reserved.
 This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

Cardno
 Shaping the Future
 Cardno Victoria Pty Ltd | ABN 47 106 610 913
 Level 4, 501 Swanston Street
 Melbourne VIC 3000
 Tel: 03 8415 7777 Fax: 03 8415 7788
 Web: www.cardno.com.au

Drawn VA	Date 5/03/2018	Client VICTORIAN PLANNING AUTHORITY
Checked CP	Date 5/03/2018	Project BENCH MARK INFRASTRUCTURE COSTING
Designed VA	Date	
Verified	Date	
Approved	Date	
Title ITEM 37 COMMUNITY FACILITIES - LEVEL 1 ULTIMATE		Status PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES
		Scale 1:500
		Size A3
		Revision 3
		Drawing Number V181544-CI-DG-2049



SR-01, SR-02, SR-03,
 SR-04, SR-05, SR-06,
 SR-07 (pavillion)

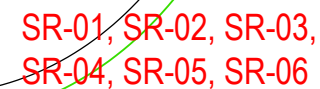


Rev	Date	Description	Des.	Verif.	Appd.
3	4/02/2019	ADDRESS STAKEHOLDER COMMENTS	CM		
2	19/03/2018	ADDRESS VPA COMMENTS	VA		
1		NOT ISSUED			

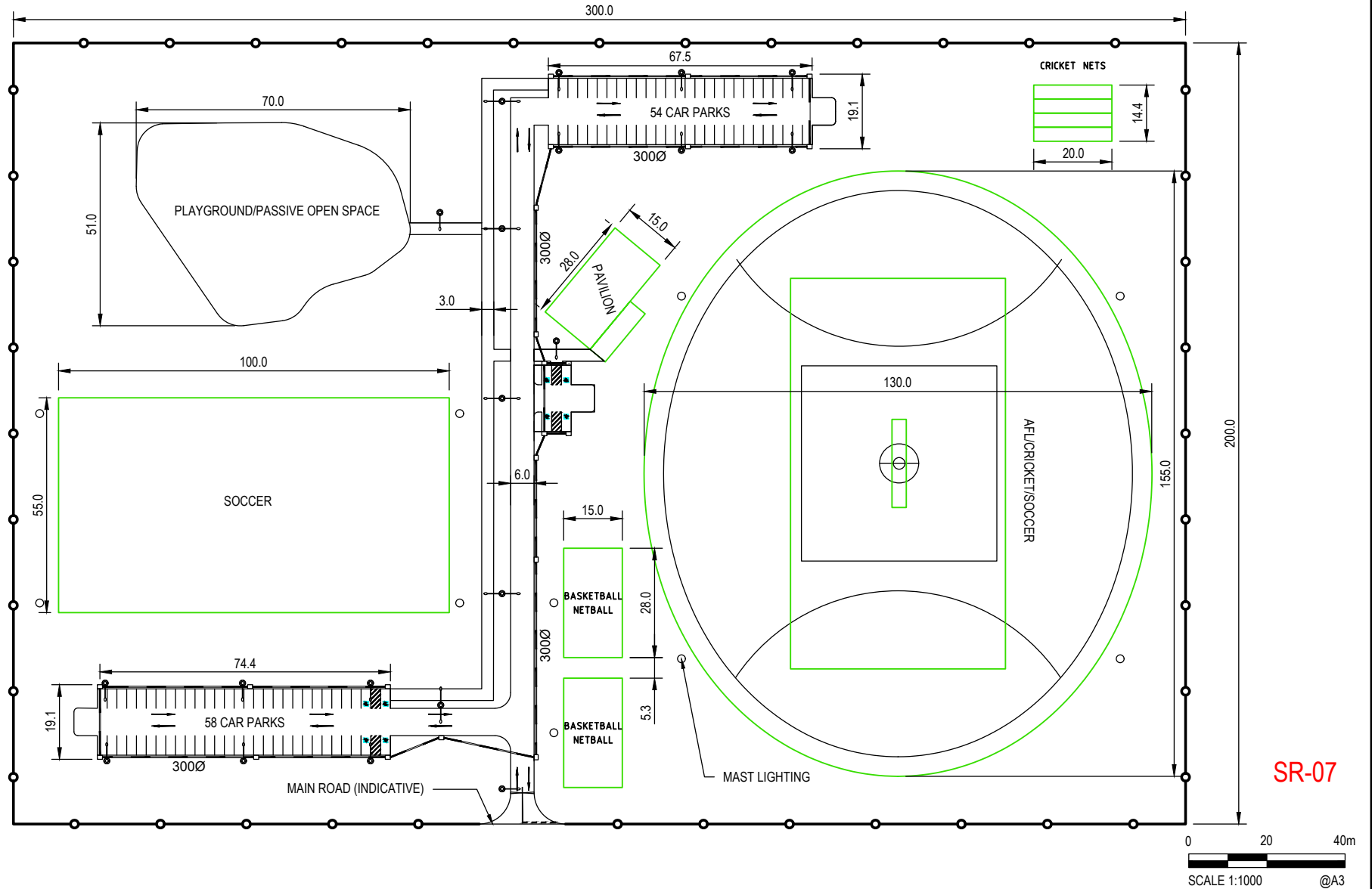
© Cardno Limited
 All Rights Reserved.
 This document is produced by Cardno Limited
 solely for the benefit of and use by the client
 in accordance with the terms of the retainer.
 Cardno Limited does not and shall not
 assume any responsibility or liability
 whatsoever to any third party arising out of
 any use or reliance by third party on the
 content of this document.

Cardno
 Shaping the Future
 Cardno Victoria Pty Ltd | ABN 47 106 610 913
 Level 4, 501 Swanston Street
 Melbourne VIC 3000
 Tel: 03 8415 7777 Fax: 03 8415 7788
 Web: www.cardno.com.au

Drawn VA	Date 5/03/2018	Client VICTORIAN PLANNING AUTHORITY
Checked MEA	Date 5/03/2018	Project BENCH MARK INFRASTRUCTURE COSTING
Designed VA	Date	
Verified	Date	
Approved	Date	
Title ITEM 40 SPORTING PAVILION - SERVICING TWO PLAYING AREAS ULTIMATE		Status PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES
		Scale 1:1000
		Size A3
		Revision 3
		Drawing Number V181544-CI-DG-2052



Status				PRELIMINARY			
NOT TO BE USED FOR CONSTRUCTION PURPOSES							
				Scale 1:1000		Size A3	
Drawing Number V181544-CI-DG-2055						Revision 4	



Rev	Date	Description	Des.	Verif.	Appd.
4	4/02/2019	ADDRESS STAKEHOLDER COMMENTS	CM		
3	29/06/2018	ADDRESS VPA COMMENTS	CM		
2	19/03/2018	ADDRESS VPA COMMENTS	VA		
1		NOT ISSUED			

© Cardno Limited
 All Rights Reserved.
 This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

Cardno
 Shaping the Future
 Cardno Victoria Pty Ltd | ABN 47 106 610 913
 Level 4, 501 Swanston Street
 Melbourne VIC 3000
 Tel: 03 8415 7777 Fax: 03 8415 7788
 Web: www.cardno.com.au

Drawn NPV Date 5/03/2018	Client VICTORIAN PLANNING AUTHORITY	Status PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES
Checked MEA Date 5/03/2018	Project BENCH MARK INFRASTRUCTURE COSTING	Scale 1:1000
Designed VA Date	Title ITEM 42 MULTIPURPOSE SPORTS & RECREATION:5-6Ha ULTIMATE	Size A3
Verified Date	Approved Date	Revision 4
		Drawing Number V181544-CI-DG-2054

Appendix C	
Description:	Road 01 - Secondary - 950m
Civil Component Number:	

950

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Siteworks/ Earthworks	Site Preparation	32300	m2	3.68	118864.00	4.96	160208.00
	Earthworks	5429	m3	34.07	184974.55	40.52	219993.21
Road Pavement	Primary Arterial Pavement	0	m2	169.62	0.00	186.26	0.00
	Secondary Arterial Pavement	8550	m2	127.01	1085935.50	133.78	1143819.00
	Collector Arterial Pavement	0	m2	105.15	0.00	112.44	0.00
	Subgrade Preparation	1710	m2	14.22	24316.20	16.16	27633.60
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	1900	m	54.81	104139.00	60.90	115710.00
	Cycle Path	0	m2	76.59	0.00	91.94	0.00
	SUP/ Footpath	1900	m2	63.51	120669.00	73.63	139897.00
	Traffic Island	0	m2	77.60	0.00	84.07	0.00
Drainage	Drainage Pipe 300mm CR Bfilled	119	m	179.85	21357.19	197.96	23507.75
	Drainage Pipe 375mm CR Bfilled	416	m	259.10	107688.44	282.96	117605.25
	Drainage Pipe 450mm CR Bfilled	416	m	299.43	124450.59	334.33	138955.91
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	19	No.	2565.39	48742.41	2806.10	53315.90
	Drainage - Sub-soil drainage	1900	m	33.88	64372.00	43.40	82460.00
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	0	Item/ Per Leg	109730.28	0.00	128786.34	0.00
Landscape	Tree Planting	128	No.	303.34	38903.36	363.01	46556.03
	Landscaping	21850	m2	21.61	472178.50	25.16	549746.00
	Topsoil Seeding	21850	m2	7.21	157538.50	8.44	184414.00
Street Lighting	Street Lighting - Road	950	m	216.34	205523.00	225.67	214386.50
	Street Lighting - Intersections	0	Item/ Per Leg	48468.93	0.00	55617.74	0.00
Misc	Regulatory Signage	17	Item	338.43	5626.40	380.39	6323.98
	Linemarking	8550	m2 of Pavement	3.11	26590.50	4.09	34969.50
	Landscape maintenance (intersections)	0	Item	71344.66	0.00	88131.43	0.00
	Landscape maintenance (roads)	21850	m2	2.90	63365.00	2.96	64676.00
	Tactile Pavers (Hazard only)	0	Item	292.43	0.00	319.78	0.00
Other	Rock excavation	1536	m3	100.00	153558.00	115.00	176591.70
Delivery	Council Fees	1	%	3.25	101685.74	3.25	113775.00
	VicRoads Fees	1	%	1.00	31287.92	1.00	35007.69
	Traffic Management	1	%	5.00	156439.61	5.00	175038.47
	Environmental Management	1	%	0.50	15643.96	0.50	17503.85
	Surveying and Design	1	%	5.00	156439.61	5.00	175038.47
	Supervision and Project management	1	%	9.00	281591.29	9.00	315069.24
	Site Establishment	1	%	2.50	78219.80	2.50	87519.23
	Contingency	1	%	15.00	469318.82	15.00	525115.40
Total	Excluding Delivery				3,128,792		3,500,769
	Including Delivery				4,419,419		4,944,837
	DBWS ICP specific contingency for RD-01				4,618,293		5,167,354

Appendix C

Description: Road 02- Primary - 1799m

Civil Component
Number:

1799

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Siteworks/ Earthworks	Site Preparation	73759	m2	3.68	271433.12	4.96	365844.64
	Earthworks	9004	m3	34.07	306766.11	40.52	364841.88
Road Pavement	Primary Arterial Pavement	12593	m2	169.62	2136024.66	186.26	2345572.18
	Secondary Arterial Pavement	0	m2	127.01	0.00	133.78	0.00
	Collector Arterial Pavement	0	m2	105.15	0.00	112.44	0.00
	Subgrade Preparation	2519	m2	14.22	35814.49	16.16	40700.58
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	3598	m	54.81	197206.38	60.90	219118.20
	Cycle Path	5397	m2	76.59	413356.23	91.94	496200.18
	SUP/ Footpath	0	m2	63.51	0.00	73.63	0.00
	Traffic Island	0	m2	77.60	0.00	84.07	0.00
Drainage	Drainage Pipe 300mm CR Bfilled	225	m	179.85	40443.77	197.96	44516.26
	Drainage Pipe 375mm CR Bfilled	787	m	259.10	203927.89	282.96	222707.21
	Drainage Pipe 450mm CR Bfilled	787	m	299.43	235670.12	334.33	263138.61
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	36	No.	2565.39	92302.73	2806.10	100963.48
	Drainage – Sub-soil drainage	3598	m	33.88	121900.24	43.40	156153.20
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	0	Item/ Per Leg	109730.28	0.00	128786.34	0.00
Landscape	Tree Planting	360	No.	303.34	109141.73	363.01	130611.00
	Landscaping	55769	m2	21.61	1205168.09	25.16	1403148.04
	Topsoil Seeding	55769	m2	7.21	402094.49	8.44	470690.36
Street Lighting	Street Lighting - Road	1799	m	216.34	389195.66	225.67	405980.33
	Street Lighting - Intersections	0	Item/ Per Leg	48468.93	0.00	55617.74	0.00
Misc	Regulatory Signage	40	Item	338.43	13698.80	380.39	15397.24
	Linemarking	12593	m2 of Pavement	3.11	39164.23	4.09	51505.37
	Landscape maintenance (intersections)	0	Item	71344.66	0.00	88131.43	0.00
	Landscape maintenance (roads)	55769	m2	2.90	161730.10	2.96	165076.24
	Tactile Pavers (Hazard only)	0	Item	292.43	0.00	319.78	0.00
Other	Rock excavation	2652	m3	100.00	265244.56	115.00	305031.24
	Utility protection slab over interim section	1	Item	27500.00	27500.00	30250.00	30250.00
Delivery	Council Fees	1	%	3.25	216702.96	3.25	246917.00
	VicRoads Fees	1	%	1.00	66677.83	1.00	75974.46
	Traffic Management	1	%	5.00	333389.17	5.00	379872.31
	Environmental Management	1	%	0.50	33338.92	0.50	37987.23
	Surveying and Design	1	%	5.00	333389.17	5.00	379872.31
	Supervision and Project management	1	%	9.00	600100.51	9.00	683770.16
	Site Establishment	1	%	2.50	166694.59	2.50	189936.16
	Contingency	1	%	15.00	1000167.51	15.00	1139616.93
Total	Excluding Delivery				6,667,783		7,597,446
	Including Delivery				9,418,244		10,731,393
	DBWS ICP specific contingency for RD-02				9,842,065		11,214,305

Appendix C	
Description:	Road 03- Secondary - 1848m
Civil Component Number:	

1848

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Siteworks/ Earthworks	Site Preparation	62832	m2	3.68	231221.76	4.96	311646.72
	Earthworks	10561	m3	34.07	359824.17	40.52	427944.69
Road Pavement	Primary Arterial Pavement	0	m2	169.62	0.00	186.26	0.00
	Secondary Arterial Pavement	16632	m2	127.01	2112430.32	133.78	2225028.96
	Collector Arterial Pavement	0	m2	105.15	0.00	112.44	0.00
	Subgrade Preparation	3326	m2	14.22	47301.41	16.16	53754.62
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	3696	m	54.81	202577.76	60.90	225086.40
	Cycle Path	0	m2	76.59	0.00	91.94	0.00
	SUP/ Footpath	3696	m2	63.51	234732.96	73.63	272136.48
	Traffic Island	0	m2	77.60	0.00	84.07	0.00
Drainage	Drainage Pipe 300mm CR Bfilled	231	m	179.85	41545.35	197.96	45728.76
	Drainage Pipe 375mm CR Bfilled	809	m	259.10	209482.35	282.96	228773.16
	Drainage Pipe 450mm CR Bfilled	809	m	299.43	242089.16	334.33	270305.81
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	37	No.	2565.39	94816.81	2806.10	103713.46
	Drainage - Sub-soil drainage	3696	m	33.88	125220.48	43.40	160406.40
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	0	Item/ Per Leg	109730.28	0.00	128786.34	0.00
Landscape	Tree Planting	249	No.	303.34	75677.26	363.01	90563.73
	Landscaping	42504	m2	21.61	918511.44	25.16	1069400.64
	Topsoil Seeding	42504	m2	7.21	306453.84	8.44	358733.76
Street Lighting	Street Lighting - Road	1848	m	216.34	399796.32	225.67	417038.16
	Street Lighting - Intersections	0	Item/ Per Leg	48468.93	0.00	55617.74	0.00
Misc	Regulatory Signage	32	Item	338.43	10944.83	380.39	12301.81
	Linemarking	16632	m2 of Pavement	3.11	51725.52	4.09	68024.88
	Landscape maintenance (intersections)	0	Item	71344.66	0.00	88131.43	0.00
	Landscape maintenance (roads)	42504	m2	2.90	123261.60	2.96	125811.84
Other	Tactile Pavers (Hazard only)	0	Item	292.43	0.00	319.78	0.00
	Rock excavation	2987	m3	100.00	298710.72	115.00	343517.33
Delivery	Council Fees	1	%	3.25	197805.53	3.25	221322.32
	VicRoads Fees	1	%	1.00	60863.24	1.00	68099.18
	Traffic Management	1	%	5.00	304316.20	5.00	340495.88
	Environmental Management	1	%	0.50	30431.62	0.50	34049.59
	Surveying and Design	1	%	5.00	304316.20	5.00	340495.88
	Supervision and Project management	1	%	9.00	547769.17	9.00	612892.58
	Site Establishment	1	%	2.50	152158.10	2.50	170247.94
	Contingency	1	%	15.00	912948.61	15.00	1021487.64
Total	Excluding Delivery				6,086,324		6,809,918
	Including Delivery				8,596,933		9,619,009
	DBWS ICP specific contingency for RD-03				8,983,795		10,051,864

Appendix C

Description: Road 04 - Secondary - 774m

Civil Component
Number:

774

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Sitemeworks/ Earthworks	Site Preparation	26316	m2	3.68	96842.88	4.96	130527.36
	Earthworks	4424	m3	34.07	150725.68	40.52	179260.48
Road Pavement	Primary Arterial Pavement	0	m2	169.62	0.00	186.26	0.00
	Secondary Arterial Pavement	6966	m2	127.01	884751.66	133.78	931911.48
	Collector Arterial Pavement	0	m2	105.15	0.00	112.44	0.00
	Subgrade Preparation	1394	m2	14.22	19822.68	16.16	22527.04
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	1548	m	54.81	84845.88	60.90	94273.20
	Cycle Path	0	m2	76.59	0.00	91.94	0.00
	SUP/ Footpath	1548	m2	63.51	98313.48	73.63	113979.24
	Traffic Island	0	m2	77.60	0.00	84.07	0.00
Drainage	Drainage Pipe 300mm CR Bfilled	97	m	179.85	17445.45	197.96	19202.12
	Drainage Pipe 375mm CR Bfilled	339	m	259.10	87834.90	282.96	95923.44
	Drainage Pipe 450mm CR Bfilled	339	m	299.43	101506.77	334.33	113337.87
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	16	No.	2565.39	41046.24	2806.10	44897.60
	Drainage – Sub-soil drainage	1548	m	33.88	52446.24	43.40	67183.20
Traffic signals	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
	Traffic Signals (all inclusive)	0	Item/ Per Leg	109730.28	0.00	128786.34	0.00
Landscape	Tree Planting	105	No.	303.34	31850.70	363.01	38116.05
	Landscaping	17802	m2	21.61	384701.22	25.16	447898.32
	Topsoil Seeding	17802	m2	7.21	128352.42	8.44	150248.88
Street Lighting	Street Lighting - Road	774	m	216.34	167447.16	225.67	174668.58
	Street Lighting - Intersections	0	Item/ Per Leg	48468.93	0.00	55617.74	0.00
Misc	Regulatory Signage	14	Item	338.43	4738.02	380.39	5325.46
	Linemarking	6966	m2 of Pavement	3.11	21664.26	4.09	28490.94
	Landscape maintenance (intersections)	0	Item	71344.66	0.00	88131.43	0.00
	Landscape maintenance (roads)	17802	m2	2.90	51625.80	2.96	52693.92
Other	Tactile Pavers (Hazard only)	0	Item	292.43	0.00	319.78	0.00
	Rock excavation	1252	m3	100.00	125200.00	115.00	143980.00
Delivery							
	Council Fees	1	%	3.25	82912.75	3.25	92769.47
	VicRoads Fees	1	%	1.00	25511.61	1.00	28544.45
	Traffic Management	1	%	5.00	127558.07	5.00	142722.26
	Environmental Management	1	%	0.50	12755.81	0.50	14272.23
	Surveying and Design	1	%	5.00	127558.07	5.00	142722.26
	Supervision and Project management	1	%	9.00	229604.53	9.00	256900.07
Total	Site Establishment	1	%	2.50	63779.04	2.50	71361.13
	Contingency	1	%	15.00	382674.22	15.00	428166.78
	Excluding Delivery				2,551,161		2,854,445
	Including Delivery				3,603,516		4,031,904
	DBWS ICP specific contingency for RD-04				3,765,674		4,213,339

Appendix C	
Description:	Road 05 - Secondary - 1491m
Civil Component Number:	

1491

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Siteworks/ Earthworks	Site Preparation	50694	m2	3.68	186553.92	4.96	251442.24
	Earthworks	7672	m3	34.07	261385.04	40.52	310869.44
Road Pavement	Primary Arterial Pavement	0	m2	169.62	0.00	186.26	0.00
	Secondary Arterial Pavement	10437	m2	127.01	1325603.37	133.78	1396261.86
	Collector Arterial Pavement	0	m2	105.15	0.00	112.44	0.00
	Subgrade Preparation	2088	m2	14.22	29691.36	16.16	33742.08
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	5964	m	54.81	326886.84	60.90	363207.60
	Cycle Path	8946	m2	76.59	685174.14	91.94	822495.24
	SUP/ Footpath	2237	m2	63.51	142040.12	73.63	164673.50
	Traffic Island	0	m2	77.60	0.00	84.07	0.00
Drainage	Drainage Pipe 300mm CR Bfilled	373	m	179.85	67084.05	197.96	73839.08
	Drainage Pipe 375mm CR Bfilled	1678	m	259.10	434769.80	282.96	474806.88
	Drainage Pipe 450mm CR Bfilled	1305	m	299.43	390756.15	334.33	436300.65
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	60	No.	2565.39	153923.40	2806.10	168366.00
	Drainage - Sub-soil drainage	5964	m	33.88	202060.32	43.40	258837.60
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	0	Item/ Per Leg	109730.28	0.00	128786.34	0.00
Landscape	Tree Planting	150	No.	303.34	45501.00	363.01	54451.50
	Landscaping	29075	m2	21.61	628310.75	25.16	731527.00
	Topsoil Seeding	29075	m2	7.21	209630.75	8.44	245393.00
Street Lighting	Street Lighting - Road	2982	m	216.34	645125.88	225.67	672947.94
	Street Lighting - Intersections	0	Item/ Per Leg	48468.93	0.00	55617.74	0.00
Misc	Regulatory Signage	19	Item	338.43	6430.17	380.39	7227.41
	Linemarking	10437	m2 of Pavement	3.11	32459.07	4.09	42687.33
	Landscape maintenance (intersections)	0	Item	71344.66	0.00	88131.43	0.00
	Landscape maintenance (roads)	29075	m2	2.90	84317.50	2.96	86062.00
Other	Tactile Pavers (Hazard only)	0	Item	292.43	0.00	319.78	0.00
	Rock excavation	3081	m3	100.00	308114.00	115.00	354331.10
Delivery	Council Fees	1	%	3.25	200389.07	3.25	225857.76
	VicRoads Fees	1	%	1.00	61658.18	1.00	69494.69
	Traffic Management	1	%	5.00	308290.88	5.00	347473.47
	Environmental Management	1	%	0.50	30829.09	0.50	34747.35
	Surveying and Design	1	%	5.00	308290.88	5.00	347473.47
	Supervision and Project management	1	%	9.00	554923.59	9.00	625452.25
	Site Establishment	1	%	2.50	154145.44	2.50	173736.74
Total	Contingency	1	%	15.00	924872.64	15.00	1042420.42
	Excluding Delivery				6,165,818		6,949,469
	Including Delivery				8,709,217		9,816,126
Total	DBWS ICP specific contingency for RD-05				9,101,132		10,257,851

Appendix A	
Description:	IN-01 Primary - Connector Boulevard T-Intersection (Donnybrook Road & Hayes Hill Boulevard/Langley Park Drive)
Civil Component Number:	IN-01

Group	Sub Item	Qty	Unit	Rate (P\$0)	Amount (P\$0)	Rate (P\$0)	Amount (P\$0)
Sitemworks/ Earthworks	Site Preparation	23740	m2	3.68	87363.20	4.96	117750.40
	Earthworks	5325	m3	34.07	181422.75	40.52	215769.00
Road Pavement	Primary Arterial Pavement	6909	m2	169.62	1171904.58	186.26	1286870.34
	Secondary Arterial Pavement	0	m2	127.01	0.00	133.78	0.00
	Collector Arterial Pavement	720	m2	105.15	75708.00	112.44	80956.80
	Subgrade Preparation	1526	m2	14.22	21699.72	16.16	24660.16
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	1608	m	54.81	88134.48	60.90	97927.20
	Cycle Path	0	m2	76.59	0.00	91.94	0.00
	SUP/ Footpath	1795	m2	63.51	114000.45	73.63	132165.85
	Traffic Island	208	m2	77.60	16140.80	84.07	17486.56
Drainage	Drainage Pipe 300mm CR Bfilled	0	m	179.85	0.00	197.96	0.00
	Drainage Pipe 375mm CR Bfilled	450	m	259.10	116595.00	282.96	127332.00
	Drainage Pipe 450mm CR Bfilled	105	m	299.43	31440.15	334.33	35104.65
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	15	No.	2565.39	38480.85	2806.10	42091.50
	Drainage - Sub-soil drainage	1608	m	33.88	54479.04	43.40	69787.20
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	3	Item/ Per Leg	109730.28	329190.84	128786.34	386359.02
Landscape	Tree Planting	0	No.	303.34	0.00	363.01	0.00
	Landscaping	14097	m2	21.61	304636.17	25.16	354680.52
	Topsoil Seeding	14097	m2	7.21	101639.37	8.44	118978.68
Street Lighting	Street Lighting - Road	0	m	216.34	0.00	225.67	0.00
	Street Lighting - Intersections	3	Item/ Per Leg	48468.93	145406.79	55617.74	166853.22
Misc	Regulatory Signage	16	Item	338.43	5414.88	380.39	6086.24
	Line marking	6591	m2 of Pavement	3.11	20498.01	4.09	26957.19
	Landscape maintenance (intersections)	1	Item	71344.66	71344.66	88131.43	88131.43
	Landscape maintenance (roads)	0	m2 of f'scape	2.90	0.00	2.96	0.00
	Tactile Pavers (Hazard only)	18	Item	292.43	5263.74	319.78	5756.04
Other	Rock excavation	1355	m3	100.00	135471.00	115.00	155791.65
	Gas and water utility allowance	1	Item	280000.00	280000.00	308000.00	308000.00
	Relocation of power poles	1	Item	40000.00	40000.00	44000.00	44000.00
	Existing pavement removal	5800	m2	65.00	377000.00	71.50	414700.00
	Telstra relocation	1	Item	37800.00	37800.00	41580.00	41580.00
Delivery	Council Fees	1	%	3.25	125158.62	3.25	141887.71
	VicRoads Fees	1	%	1.00	38510.34	1.00	43657.76
	Traffic Management	1	%	5.00	192551.72	5.00	218288.78
	Environmental Management	1	%	0.50	19255.17	0.50	21828.88
	Surveying and Design	1	%	5.00	192551.72	5.00	218288.78
	Supervision and Project management	1	%	9.00	346593.10	9.00	392919.81
	Site Establishment	1	%	2.50	96275.86	2.50	109144.39
Total	Excluding Delivery				3,851,034		4,365,776
	Including Delivery				5,439,586		6,166,658

Appendix A	
Description:	IN-02 Primary - Connector Street Intersection (Donnybrook Road & Connector Street)
Civil Component Number:	IN-02

Group	Sub Item	Qty	Unit	Rate (P\$0)	Amount (P\$0)	Rate (P\$0)	Amount (P\$0)
Sitemworks/ Earthworks	Site Preparation	19610	m2	3.68	72164.80	4.96	97265.60
	Earthworks	5357	m3	34.07	182512.99	40.52	217065.64
Road Pavement	Primary Arterial Pavement	6883	m2	169.62	1167494.46	186.26	1282027.58
	Secondary Arterial Pavement	0	m2	127.01	0.00	133.78	0.00
	Collector Arterial Pavement	815	m2	105.15	85697.25	112.44	91638.60
	Subgrade Preparation	1539.6	m2	14.22	21893.11	16.16	24879.94
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	1491	m	54.81	81721.71	60.90	90801.90
	Cycle Path	0	m2	76.59	0.00	91.94	0.00
	SUP/ Footpath	1997	m2	63.51	126829.47	73.63	147039.11
	Traffic Island	115	m2	77.60	8924.00	84.07	9668.05
Drainage	Drainage Pipe 300mm CR Bfilled	0	m	179.85	0.00	197.96	0.00
	Drainage Pipe 375mm CR Bfilled	583	m	259.10	151055.30	282.96	164965.68
	Drainage Pipe 450mm CR Bfilled	100	m	299.43	29943.00	334.33	33433.00
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	18	No.	2565.39	46177.02	2806.10	50509.80
	Drainage - Sub-soil drainage	1491	m	33.88	50515.08	43.40	64709.40
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	3	Item/ Per Leg	109730.28	329190.84	128786.34	386359.02
Landscape	Tree Planting	0	No.	303.34	0.00	363.01	0.00
	Landscaping	9422	m2	21.61	203609.42	25.16	237057.52
	Topsoil Seeding	9422	m2	7.21	67932.62	8.44	79521.68
Street Lighting	Street Lighting - Road	0	m	216.34	0.00	225.67	0.00
	Street Lighting - Intersections	3	Item/ Per Leg	48468.93	145406.79	55617.74	166853.22
Misc	Regulatory Signage	16	Item	338.43	5414.88	380.39	6086.24
	Line marking	7698	m2 of Pavement	3.11	23940.78	4.09	31484.82
	Landscape maintenance (intersections)	1	Item	71344.66	71344.66	88131.43	88131.43
	Landscape maintenance (roads)	0	m2 of f'scape	2.90	0.00	2.96	0.00
	Tactile Pavers (Hazard only)	18	Item	292.43	5263.74	319.78	5756.04
Other	Rock excavation	1405	m3	100.00	140543.50	115.00	161625.03
	Gas and water utility allowance	1	Item	268000.00	268000.00	294800.00	294800.00
	Telstra relocation	1	Item	280830.00	280830.00	308913.00	308913.00
	Relocate power poles	1	Item	20000.00	20000.00	22000.00	22000.00
	Existing pavement removal	4646	m2	65.00	301990.00	71.50	332189.00
Delivery	Council Fees	1	%	3.25	126372.85	3.25	142830.39
	VicRoads Fees	1	%	1.00	38883.95	1.00	43947.81
	Traffic Management	1	%	5.00	194419.77	5.00	219739.06
	Environmental Management	1	%	0.50	19441.98	0.50	21973.91
	Surveying and Design	1	%	5.00	194419.77	5.00	219739.06
	Supervision and Project management	1	%	9.00	349955.59	9.00	395530.32
	Site Establishment	1	%	2.50	97209.89	2.50	109869.53
Total	Excluding Delivery				3,888,395		4,394,781
	Including Delivery				5,492,359		6,207,629

Appendix A	
Description:	IN-03 Primary - Secondary T-Intersection (Donnybrook Road & Patterson Drive)
Civil Component Number:	IN-03

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Sitemeworks/ Earthworks	Site Preparation	20014	m2	3.68	73651.52	4.96	99269.44
	Earthworks	7511	m3	34.07	255899.77	40.52	304345.72
Road Pavement	Primary Arterial Pavement	7738	m2	169.62	1312519.56	186.26	1441279.88
	Secondary Arterial Pavement	3115	m2	127.01	395636.15	133.78	416724.70
	Collector Arterial Pavement	0	m2	105.15	0.00	112.44	0.00
	Subgrade Preparation	2170.6	m2	14.22	30865.93	16.16	35076.90
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	2666	m	54.81	146123.46	60.90	162359.40
	Cycle Path	0	m2	76.59	0.00	91.94	0.00
	SUP/ Footpath	2213	m2	63.51	140547.63	73.63	162943.19
	Traffic Island	380	m2	77.60	29488.00	84.07	31946.60
Drainage	Drainage Pipe 300mm CR Bfilled	0	m	179.85	0.00	197.96	0.00
	Drainage Pipe 375mm CR Bfilled	670	m	259.10	173597.00	282.96	189583.20
	Drainage Pipe 450mm CR Bfilled	118	m	299.43	35332.74	334.33	39450.94
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	22	No.	2565.39	56438.58	2806.10	61734.20
	Drainage - Sub-soil drainage	2666	m	33.88	90324.08	43.40	115704.40
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	3	Item/ Per Leg	109730.28	329190.84	128786.34	386359.02
Landscape	Tree Planting	0	No.	303.34	0.00	363.01	0.00
	Landscaping	12634	m2	21.61	273020.74	25.16	317871.44
	Topsoil Seeding	12634	m2	7.21	91091.14	8.44	106630.96
Street Lighting	Street Lighting - Road	0	m	216.34	0.00	225.67	0.00
	Street Lighting - Intersections	3	Item/ Per Leg	48468.93	145406.79	55617.74	166853.22
Misc.	Regulatory Signage	16	Item	338.43	5414.88	380.39	6086.24
	Line marking	10853	m2 of Pavement	3.11	33752.83	4.09	44388.77
	Landscape maintenance (intersections)	1	Item	71344.66	71344.66	88131.43	88131.43
	Landscape maintenance (roads)	0	m2 of f/scape	2.90	0.00	2.96	0.00
	Tactile Pavers (Hazard only)	18	Item	292.43	5263.74	319.78	5756.04
Other	Rock excavation	1932	m3	100.00	193159.00	115.00	222132.85
	Existing pavement removal	6185	m2	65.00	402025.00	71.50	442227.50
	Relocate power poles	1	Item	20000.00	20000.00	22000.00	22000.00
	Gas and water utility allowance	1	Item	144800.00	144800.00	159280.00	159280.00
	NBN relocation	1	Item	42000.00	42000.00	46200.00	46200.00
	Telstra relocation	1	Item	231495.00	231495.00	254644.50	254644.50
Delivery	Council Fees	1	%	3.25	153672.64	3.25	173191.87
	VicRoads Fees	1	%	1.00	47283.89	1.00	53289.81
	Traffic Management	1	%	5.00	236419.45	5.00	266449.03
	Environmental Management	1	%	0.50	23641.95	0.50	26644.90
	Surveying and Design	1	%	5.00	236419.45	5.00	266449.03
	Supervision and Project management	1	%	9.00	425555.01	9.00	479608.25
	Site Establishment	1	%	2.50	118209.73	2.50	133224.51
	Contingency	1	%	15.00	709258.36	15.00	799347.08
Total	Excluding Delivery				4,728,389		5,328,981
	Including Delivery				6,678,850		7,527,185

Appendix A	
Description:	IN-04 - Primary - Secondary T-Intersection (Donnybrook Road & Koukoura Drive)
Civil Component Number:	IN-04

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Sitemeworks/ Earthworks	Site Preparation	20114	m2	3.68	74019.52	4.96	99765.44
	Earthworks	5858	m3	34.07	199582.06	40.52	237366.16
Road Pavement	Primary Arterial Pavement	8193	m2	169.62	1389696.66	186.26	1526028.18
	Secondary Arterial Pavement	0	m2	127.01	0.00	133.78	0.00
	Collector Arterial Pavement	0	m2	105.15	0.00	112.44	0.00
	Subgrade Preparation	1639	m2	14.22	23306.58	16.16	26486.24
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	2035	m	54.81	111538.35	60.90	123931.50
	Cycle Path	0	m2	76.59	0.00	91.94	0.00
	SUP/ Footpath	2346	m2	63.51	148994.46	73.63	172735.98
	Traffic Island	367	m2	77.60	28479.20	84.07	30853.69
Drainage	Drainage Pipe 300mm CR Bfilled	0	m	179.85	0.00	197.96	0.00
	Drainage Pipe 375mm CR Bfilled	757	m	259.10	196138.70	282.96	214200.72
	Drainage Pipe 450mm CR Bfilled	8	m	299.43	2395.44	334.33	2674.64
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	17	No.	2565.39	43611.63	2806.10	47703.70
	Drainage - Sub-soil drainage	2035	m	33.88	68945.80	43.40	88319.00
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	3	Item/ Per Leg	109730.28	329190.84	128786.34	386359.02
Landscape	Tree Planting	0	No.	303.34	0.00	363.01	0.00
	Landscaping	9186	m2	21.61	198509.46	25.16	231119.76
	Topsoil Seeding	9186	m2	7.21	66231.06	8.44	77529.84
Street Lighting	Street Lighting - Road	0	m	216.34	0.00	225.67	0.00
	Street Lighting - Intersections	3	Item/ Per Leg	48468.93	145406.79	55617.74	166853.22
Misc.	Regulatory Signage	16	Item	338.43	5414.88	380.39	6086.24
	Line marking	7782	m2 of Pavement	3.11	24202.02	4.09	31828.38
	Landscape maintenance (intersections)	1	Item	71344.66	71344.66	88131.43	88131.43
	Landscape maintenance (roads)	0	m2 of f/scape	2.90	0.00	2.96	0.00
	Tactile Pavers (Hazard only)	18	Item	292.43	5263.74	319.78	5756.04
Other	Rock excavation	1559	m3	100.00	155900.00	115.00	179285.00
	Existing pavement removal	4250	m2	65.00	276250.00	71.50	303875.00
	Telecom relocation	1	Item	334000.00	334000.00	367400.00	367400.00
Delivery	Council Fees	1	%	3.25	126698.71	3.25	143464.40
	VicRoads Fees	1	%	1.00	38984.22	1.00	44142.89
	Traffic Management	1	%	5.00	194921.09	5.00	220714.46
	Environmental Management	1	%	0.50	19492.11	0.50	22071.45
	Surveying and Design	1	%	5.00	194921.09	5.00	220714.46
	Supervision and Project management	1	%	9.00	350857.97	9.00	397286.03
	Site Establishment	1	%	2.50	97460.55	2.50	110357.23
	Contingency	1	%	15.00	584763.28	15.00	662143.38
Total	Excluding Delivery				3,898,422		4,414,289
	Including Delivery				5,506,521		6,235,183

Appendix A	
Description:	IN-05 Primary - Connector Street T-Intersection (Donnybrook Road & Connector Street)
Civil Component Number:	IN-05

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Sitemworks/ Earthworks	Site Preparation	13030	m2	3.68	47950.40	4.96	64628.80
	Earthworks	3791	m3	34.07	129159.37	40.52	153611.32
Road Pavement	Primary Arterial Pavement	4244	m2	169.62	719867.28	186.26	790487.44
	Secondary Arterial Pavement	0	m2	127.01	0.00	133.78	0.00
	Collector Arterial Pavement	1415	m2	105.15	148787.25	112.44	159102.60
	Subgrade Preparation	1132	m2	14.22	16094.20	16.16	18289.89
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	1124	m	54.81	61606.44	60.90	68451.60
	Cycle Path	0	m2	76.59	0.00	91.94	0.00
	SUP/ Footpath	1825	m2	63.51	115905.75	73.63	134374.75
	Traffic Island	98	m2	77.60	7604.80	84.07	8238.86
Drainage	Drainage Pipe 300mm CR Bfilled	0	m	179.85	0.00	197.96	0.00
	Drainage Pipe 375mm CR Bfilled	412	m	259.10	106749.20	282.96	116579.52
	Drainage Pipe 450mm CR Bfilled	118	m	299.43	35332.74	334.33	39450.94
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	18	No.	2565.39	46177.02	2806.10	50509.80
	Drainage - Sub-soil drainage	1124	m	33.88	38081.12	43.40	48781.60
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	3	Item/ Per Leg	109730.28	329190.84	128786.34	386359.02
Landscape	Tree Planting	5	No.	303.34	1516.70	363.01	1815.05
	Landscaping	4943	m2	21.61	106818.23	25.16	124365.88
	Topsoil Seeding	4943	m2	7.21	35639.03	8.44	41718.92
Street Lighting	Street Lighting - Road	0	m	216.34	0.00	225.67	0.00
	Street Lighting - Intersections	3	Item/ Per Leg	48468.93	145406.79	55617.74	166853.22
Misc	Regulatory Signage	16	Item	338.43	5414.88	380.39	6086.24
	Line marking	5659	m2 of Pavement	3.11	17599.49	4.09	23145.31
	Landscape maintenance (intersections)	1	Item	71344.66	71344.66	88131.43	88131.43
	Landscape maintenance (roads)	0	m2 of f/scape	2.90	0.00	2.96	0.00
	Tactile Pavers (Hazard only)	18	Item	292.43	5263.74	319.78	5756.04
Other	Rock excavation	1021	m3	100.00	102064.00	115.00	117373.60
	Telecom relocation	1	Item	328900.00	328900.00	361790.00	361790.00
	Existing pavement removal	4130	m2	65.00	268450.00	71.50	295295.00
	Relocate Power poles	1	Item	10000.00	10000.00	11000.00	11000.00
Delivery	Council Fees	1	%	3.25	94280.03	3.25	106671.40
	VicRoads Fees	1	%	1.00	29009.24	1.00	32821.97
	Traffic Management	1	%	5.00	145046.20	5.00	164109.84
	Environmental Management	1	%	0.50	14504.62	0.50	16410.98
	Surveying and Design	1	%	5.00	145046.20	5.00	164109.84
	Supervision and Project management	1	%	9.00	261083.15	9.00	295397.71
	Site Establishment	1	%	2.50	72523.10	2.50	82054.92
	Contingency	1	%	15.00	435138.59	15.00	492329.52
Total	Excluding Delivery				2,900,924		3,282,197
	Including Delivery				4,097,555		4,636,103

Appendix A	
Description:	IN-06 - Secondary - Connector Boulevard Intersection (Hayes Hill Boulevard & Patterson Drive)
Civil Component Number:	IN-06

25

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Sitemworks/ Earthworks	Site Preparation	14226	m2	3.68	52351.68	4.96	70560.96
	Earthworks	3435	m3	34.07	117030.45	40.52	139186.20
Road Pavement	Primary Arterial Pavement	0	m2	169.62	0.00	186.26	0.00
	Secondary Arterial Pavement	4207	m2	127.01	534331.07	133.78	562812.46
	Collector Arterial Pavement	1428	m2	105.15	150154.20	112.44	160564.32
	Subgrade Preparation	1159	m2	14.22	16475.29	16.16	18722.98
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	1195	m	54.81	65497.95	60.90	72775.50
	Cycle Path	0	m2	76.59	0.00	91.94	0.00
	SUP/ Footpath	2055	m2	63.51	130513.05	73.63	151309.65
	Traffic Island	1249	m2	77.60	96922.40	84.07	105003.43
Drainage	Drainage Pipe 300mm CR Bfilled	0	m	179.85	0.00	197.96	0.00
	Drainage Pipe 375mm CR Bfilled	210	m	259.10	54411.00	282.96	59421.60
	Drainage Pipe 450mm CR Bfilled	575	m	299.43	172172.25	334.33	192239.75
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	24	No.	2565.39	61569.36	2806.10	67346.40
	Drainage - Sub-soil drainage	1824	m	33.88	61797.12	43.40	79161.60
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	4	Item/ Per Leg	109730.28	438921.12	128786.34	515145.36
Landscape	Tree Planting	41	No.	303.34	12436.94	363.01	14883.41
	Landscaping	4890	m2	21.61	105672.90	25.16	123032.40
	Topsoil Seeding	4890	m2	7.21	35256.90	8.44	41271.60
Street Lighting	Street Lighting - Road	0	m	216.34	0.00	225.67	0.00
	Street Lighting - Intersections	4	Item/ Per Leg	48468.93	193875.72	55617.74	222470.96
Misc.	Regulatory Signage	10	Item	338.43	3384.30	380.39	3803.90
	Line marking	5793	m2 of Pavement	3.11	18016.23	4.09	23693.37
	Landscape maintenance (intersections)	1	Item	71344.66	71344.66	88131.43	88131.43
	Landscape maintenance (roads)	0	m2 of f/scape	2.90	0.00	2.96	0.00
	Tactile Pavers (Hazard only)	24	Item	292.43	7018.32	319.78	7674.72
Other	Rock excavation	1080	m3	100.00	107976.00	115.00	124172.40
Delivery	Council Fees	1	%	3.25	81481.69	3.25	92409.99
	VicRoads Fees	1	%	1.00	25071.29	1.00	28433.84
	Traffic Management	1	%	5.00	125356.45	5.00	142169.22
	Environmental Management	1	%	0.50	12535.64	0.50	14216.92
	Surveying and Design	1	%	5.00	125356.45	5.00	142169.22
	Supervision and Project management	1	%	9.00	225641.60	9.00	255904.60
	Site Establishment	1	%	2.50	62678.22	2.50	71084.61
	Contingency	1	%	15.00	376069.34	15.00	426507.66
Total	Excluding Delivery				2,507,129		2,843,384
	Including Delivery				3,541,320		4,016,280

Appendix A	
Description:	IN-07 - Secondary - Connector Boulevard Intersection (Hayes Hill Boulevard & Koukoura Drive)
Civil Component Number:	IN-07

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Sitemeworks/ Earthworks	Site Preparation	10996	m2	3.68	40465.28	4.96	54540.16
	Earthworks	2629	m3	34.07	89570.03	40.52	106527.08
Road Pavement	Primary Arterial Pavement	2694	m2	169.62	456956.28	186.26	501784.44
	Secondary Arterial Pavement	0	m2	127.01	0.00	133.78	0.00
	Collector Arterial Pavement	1313	m2	105.15	138061.95	112.44	147633.72
	Subgrade Preparation	802	m2	14.22	11404.44	16.16	12960.32
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	1116	m	54.81	61167.96	60.90	67964.40
	Cycle Path	0	m2	76.59	0.00	91.94	0.00
	SUP/ Footpath	2037	m2	63.51	129369.87	73.63	149984.31
	Traffic Island	283	m2	77.60	21960.80	84.07	23791.81
Drainage	Drainage Pipe 300mm CR Bfilled	0	m	179.85	0.00	197.96	0.00
	Drainage Pipe 375mm CR Bfilled	525	m	259.10	136027.50	282.96	148554.00
	Drainage Pipe 450mm CR Bfilled	0	m	299.43	0.00	334.33	0.00
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	12	No.	2565.39	30784.68	2806.10	33673.20
	Drainage - Sub-soil drainage	1116	m	33.88	37810.08	43.40	48434.40
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	4	Item/ Per Leg	109730.28	438921.12	128786.34	515145.36
Landscape	Tree Planting	16	No.	303.34	4853.44	363.01	5808.16
	Landscaping	4670	m2	21.61	100918.70	25.16	117497.20
	Topsoil Seeding	4670	m2	7.21	33670.70	8.44	39414.80
Street Lighting	Street Lighting - Road	0	m	216.34	0.00	225.67	0.00
	Street Lighting - Intersections	4	Item/ Per Leg	48468.93	193875.72	55617.74	222470.96
Misc.	Regulatory Signage	10	Item	338.43	3384.30	380.39	3803.90
	Line marking	4006	m2 of Pavement	3.11	12458.66	4.09	16384.54
	Landscape maintenance (intersections)	1	Item	71344.66	71344.66	88131.43	88131.43
	Landscape maintenance (roads)	0	m2 of f/scape	2.90	0.00	2.96	0.00
	Tactile Pavers (Hazard only)	24	Item	292.43	7018.32	319.78	7674.72
Other	Rock excavation	780	m3	100.00	78000.00	115.00	89700.00
Delivery	Council Fees	1	%	3.25	68185.80	3.25	78061.06
	VicRoads Fees	1	%	1.00	20980.24	1.00	24018.79
	Traffic Management	1	%	5.00	104901.22	5.00	120093.95
	Environmental Management	1	%	0.50	10490.12	0.50	12009.39
	Surveying and Design	1	%	5.00	104901.22	5.00	120093.95
	Supervision and Project management	1	%	9.00	188822.20	9.00	216169.10
	Site Establishment	1	%	2.50	52450.61	2.50	60046.97
Total	Contingency	1	%	15.00	314703.67	15.00	360281.84
	Excluding Delivery				2,098,024		2,401,879
	Including Delivery				2,963,460		3,392,654

Appendix A	
Description:	IN-08 Secondary - Connector Boulevard T-Intersection (Hayes Hill Boulevard & Merriang Road)
Civil Component Number:	IN-08

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Sitemeworks/ Earthworks	Site Preparation	7921	m2	3.68	29149.28	4.96	39288.16
	Earthworks	2285	m3	34.07	77849.95	40.52	92588.20
Road Pavement	Primary Arterial Pavement	0	m2	169.62	0.00	186.26	0.00
	Secondary Arterial Pavement	2947	m2	127.01	374298.47	133.78	394249.66
	Collector Arterial Pavement	774	m2	105.15	81386.10	112.44	87028.56
	Subgrade Preparation	745	m2	14.22	10593.90	16.16	12039.20
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	351	m	54.81	19238.31	60.90	21375.90
	Cycle Path	0	m2	76.59	0.00	91.94	0.00
	SUP/ Footpath	1211	m2	63.51	76910.61	73.63	89165.93
	Traffic Island	183	m2	77.60	14200.80	84.07	15384.81
Drainage	Drainage Pipe 300mm CR Bfilled	0	m	179.85	0.00	197.96	0.00
	Drainage Pipe 375mm CR Bfilled	140	m	259.10	36274.00	282.96	39614.40
	Drainage Pipe 450mm CR Bfilled	350	m	299.43	104800.50	334.33	117015.50
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	21	No.	2565.39	53873.19	2806.10	58928.10
	Drainage - Sub-soil drainage	735	m	33.88	24901.80	43.40	31899.00
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	3	Item/ Per Leg	109730.28	329190.84	128786.34	386359.02
Landscape	Tree Planting	43	No.	303.34	13043.62	363.01	15609.43
	Landscaping	2813	m2	21.61	60788.93	25.16	70775.08
	Topsoil Seeding	2813	m2	7.21	20281.73	8.44	23741.72
Street Lighting	Street Lighting - Road	0	m	216.34	0.00	225.67	0.00
	Street Lighting - Intersections	3	Item/ Per Leg	48468.93	145406.79	55617.74	166853.22
Misc.	Regulatory Signage	5	Item	338.43	1692.15	380.39	1901.95
	Line marking	3721	m2 of Pavement	3.11	11572.31	4.09	15218.89
	Landscape maintenance (intersections)	1	Item	71344.66	71344.66	88131.43	88131.43
	Landscape maintenance (roads)	0	m2 of f/scape	2.90	0.00	2.96	0.00
	Tactile Pavers (Hazard only)	18	Item	292.43	5263.74	319.78	5756.04
Other	Rock excavation	691	m3	100.00	69104.50	115.00	79470.18
	Existing pavement removal	2530	m2	65.00	164450.00	71.50	180895.00
	Relocate HV Power poles	1	Item	250000.00	250000.00	275000.00	275000.00
	Telecom relocation	1	Item	43810.00	43810.00	48191.00	48191.00
Delivery	Council Fees	1	%	3.25	67906.35	3.25	76585.61
	VicRoads Fees	1	%	1.00	20894.26	1.00	23564.80
	Traffic Management	1	%	5.00	104471.31	5.00	117824.02
	Environmental Management	1	%	0.50	10447.13	0.50	11782.40
	Surveying and Design	1	%	5.00	104471.31	5.00	117824.02
	Supervision and Project management	1	%	9.00	188048.36	9.00	212083.23
	Site Establishment	1	%	2.50	52235.65	2.50	58912.01
Total	Contingency	1	%	15.00	313413.93	15.00	353472.06
	Excluding Delivery				2,089,426		2,356,480
	Including Delivery				2,951,314		3,328,529

Appendix A	
Description:	IN-09 - Secondary - Connector Street Intersection (Cameron Street & Connector Street)
Civil Component Number:	IN-09

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Sitemworks/ Earthworks	Site Preparation	18529	m2	3.68	68186.72	4.96	91903.84
	Earthworks	4197	m3	34.07	142991.79	40.52	170062.44
Road Pavement	Primary Arterial Pavement	0	m2	169.62	0.00	186.26	0.00
	Secondary Arterial Pavement	4783	m2	127.01	607488.83	133.78	639869.74
	Collector Arterial Pavement	2167	m2	105.15	227860.05	112.44	243657.48
	Subgrade Preparation	1390	m2	14.22	19765.80	16.16	22462.40
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	1466	m	54.81	80351.46	60.90	89279.40
	Cycle Path	0	m2	76.59	0.00	91.94	0.00
	SUP/ Footpath	2262	m2	63.51	143659.62	73.63	166551.06
	Traffic Island	575	m2	77.60	44620.00	84.07	48340.25
Drainage	Drainage Pipe 300mm CR Bfilled	0	m	179.85	0.00	197.96	0.00
	Drainage Pipe 375mm CR Bfilled	908	m	259.10	235262.80	282.96	256927.68
	Drainage Pipe 450mm CR Bfilled	0	m	299.43	0.00	334.33	0.00
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	24	No.	2565.39	61569.36	2806.10	67346.40
	Drainage - Sub-soil drainage	1863	m	33.88	63118.44	43.40	80854.20
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	4	Item/ Per Leg	109730.28	438921.12	128786.34	515145.36
Landscape	Tree Planting	0	No.	303.34	0.00	363.01	0.00
	Landscaping	7436	m2	21.61	160691.96	25.16	187089.76
	Topsoil Seeding	7436	m2	7.21	53613.56	8.44	62759.84
Street Lighting	Street Lighting - Road	0	m	216.34	0.00	225.67	0.00
	Street Lighting - Intersections	4	Item/ Per Leg	48468.93	193875.72	55617.74	222470.96
Misc.	Regulatory Signage	16	Item	338.43	5414.88	380.39	6086.24
	Line marking	6950	m2 of Pavement	3.11	21614.50	4.09	28425.50
	Landscape maintenance (intersections)	1	Item	71344.66	71344.66	88131.43	88131.43
	Landscape maintenance (roads)	0	m2 of f/scape	2.90	0.00	2.96	0.00
	Tactile Pavers (Hazard only)	18	Item	292.43	5263.74	319.78	5756.04
Other	Rock excavation	1278	m3	100.00	127819.50	115.00	146992.43
Delivery	Council Fees	1	%	3.25	90136.62	3.25	102053.65
	VicRoads Fees	1	%	1.00	27734.35	1.00	31401.12
	Traffic Management	1	%	5.00	138671.73	5.00	157005.62
	Environmental Management	1	%	0.50	13867.17	0.50	15700.56
	Surveying and Design	1	%	5.00	138671.73	5.00	157005.62
	Supervision and Project management	1	%	9.00	249609.11	9.00	282610.12
	Site Establishment	1	%	2.50	69335.86	2.50	78502.81
Total	Contingency	1	%	15.00	416015.18	15.00	471016.87
	Excluding Delivery				2,773,435		3,140,112
	Including Delivery				3,917,476		4,435,409

Appendix A	
Description:	IN-10 - Secondary - Connector Boulevard Intersection (Cameron Street & Patterson Drive)
Civil Component Number:	IN-10

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Sitemworks/ Earthworks	Site Preparation	30142	m2	3.68	110922.56	4.96	149504.32
	Earthworks	6058	m3	34.07	206396.06	40.52	245470.16
Road Pavement	Primary Arterial Pavement	0	m2	169.62	0.00	186.26	0.00
	Secondary Arterial Pavement	7714	m2	127.01	979755.14	133.78	1031978.92
	Collector Arterial Pavement	2167	m2	105.15	227860.05	112.44	243657.48
	Subgrade Preparation	1976	m2	14.22	28101.56	16.16	31935.39
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	2080	m	54.81	114004.80	60.90	126672.00
	Cycle Path	0	m2	76.59	0.00	91.94	0.00
	SUP/ Footpath	2776	m2	63.51	176303.76	73.63	204396.88
	Traffic Island	850	m2	77.60	65960.00	84.07	71459.50
Drainage	Drainage Pipe 300mm CR Bfilled	0	m	179.85	0.00	197.96	0.00
	Drainage Pipe 375mm CR Bfilled	1068	m	259.10	276718.80	282.96	302201.28
	Drainage Pipe 450mm CR Bfilled	9	m	299.43	2694.87	334.33	3008.97
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	31	No.	2565.39	79527.09	2806.10	86989.10
	Drainage - Sub-soil drainage	2716	m	33.88	92018.08	43.40	117874.40
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	4	Item/ Per Leg	109730.28	438921.12	128786.34	515145.36
Landscape	Tree Planting	61	No.	303.34	18503.74	363.01	22143.61
	Landscaping	15999	m2	21.61	345738.39	25.16	402534.84
	Topsoil Seeding	15999	m2	7.21	115352.79	8.44	135031.56
Street Lighting	Street Lighting - Road	0	m	216.34	0.00	225.67	0.00
	Street Lighting - Intersections	4	Item/ Per Leg	48468.93	193875.72	55617.74	222470.96
Misc.	Regulatory Signage	24	Item	338.43	8122.32	380.39	9129.36
	Line marking	9881	m2 of Pavement	3.11	30729.91	4.09	40413.29
	Landscape maintenance (intersections)	1	Item	71344.66	71344.66	88131.43	88131.43
	Landscape maintenance (roads)	0	m2 of f/scape	2.90	0.00	2.96	0.00
	Tactile Pavers (Hazard only)	24	Item	292.43	7018.32	319.78	7674.72
Other	Rock excavation	1758	m3	100.00	175781.00	115.00	202148.15
	Additional Rocky Knol excavation	4600	m3	100.00	460000.00	115.00	529000.00
Delivery	Council Fees	1	%	3.25	137333.65	3.25	155641.58
	VicRoads Fees	1	%	1.00	42256.51	1.00	47889.72
	Traffic Management	1	%	5.00	211282.54	5.00	239448.58
	Environmental Management	1	%	0.50	21128.25	0.50	23944.86
	Surveying and Design	1	%	5.00	211282.54	5.00	239448.58
	Supervision and Project management	1	%	9.00	380308.57	9.00	431007.45
	Site Establishment	1	%	2.50	105641.27	2.50	119724.29
Total	Contingency	1	%	15.00	633847.61	15.00	718345.75
	Excluding Delivery				4,225,651		4,788,972
	Including Delivery				5,968,732		6,764,423

Appendix A	
Description:	IN-11 - Secondary - Connector Street - Connector Boulevard Intersection (Cameron Street & Koukoura Drive)
Civil Component Number:	IN-11

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Sitemeworks/ Earthworks	Site Preparation	20650	m2	3.68	75992.00	4.96	102424.00
	Earthworks	4122	m3	34.07	140436.54	40.52	167023.44
Road Pavement	Primary Arterial Pavement	3535	m2	169.62	599606.70	186.26	658429.10
	Secondary Arterial Pavement	0	m2	127.01	0.00	133.78	0.00
	Collector Arterial Pavement	2981	m2	105.15	313452.15	112.44	335183.64
	Subgrade Preparation	1303	m2	14.22	18531.50	16.16	21059.71
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	2011	m	54.81	110222.91	60.90	122469.90
	Cycle Path	779	m2	76.59	59663.61	91.94	71621.26
	SUP/ Footpath	2776	m2	63.51	176303.76	73.63	204396.88
	Traffic Island	494	m2	77.60	38334.40	84.07	41530.58
Drainage	Drainage Pipe 300mm CR Bfilled	0	m	179.85	0.00	197.96	0.00
	Drainage Pipe 375mm CR Bfilled	652	m	259.10	168933.20	282.96	184489.92
	Drainage Pipe 450mm CR Bfilled	0	m	299.43	0.00	334.33	0.00
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	14	No.	2565.39	35915.46	2806.10	39285.40
	Drainage - Sub-soil drainage	1997	m	33.88	67658.36	43.40	86669.80
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	4	Item/ Per Leg	109730.28	438921.12	128786.34	515145.36
Landscape	Tree Planting	48	No.	303.34	14560.32	363.01	17424.48
	Landscaping	10087	m2	21.61	217980.07	25.16	253788.92
	Topsoil Seeding	10087	m2	7.21	72727.27	8.44	85134.28
Street Lighting	Street Lighting - Road	0	m	216.34	0.00	225.67	0.00
	Street Lighting - Intersections	4	Item/ Per Leg	48468.93	193875.72	55617.74	222470.96
Misc	Regulatory Signage	16	Item	338.43	5414.88	380.39	6086.24
	Line marking	6516	m2 of Pavement	3.11	20264.76	4.09	26650.44
	Landscape maintenance (intersections)	1	Item	71344.66	71344.66	88131.43	88131.43
	Landscape maintenance (roads)	0	m2 of f/scape	2.90	0.00	2.96	0.00
	Tactile Pavers (Hazard only)	24	Item	292.43	7018.32	319.78	7674.72
Other	Rock excavation	1165	m3	100.00	116536.50	115.00	134016.98
Delivery	Council Fees	1	%	3.25	96320.06	3.25	110210.99
	VicRoads Fees	1	%	1.00	29636.94	1.00	33911.07
	Traffic Management	1	%	5.00	148184.71	5.00	169555.37
	Environmental Management	1	%	0.50	14818.47	0.50	16955.54
	Surveying and Design	1	%	5.00	148184.71	5.00	169555.37
	Supervision and Project management	1	%	9.00	266732.48	9.00	305199.67
	Site Establishment	1	%	2.50	74092.36	2.50	84777.69
	Contingency	1	%	15.00	444554.13	15.00	508666.12
Total	Excluding Delivery				2,963,694		3,391,107
	Including Delivery				4,186,218		4,789,939

Appendix A	
Description:	IN-12 - Secondary - Connector Street T-Intersection (Cameron Street & Merriang Road)
Civil Component Number:	IN-12

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Sitemeworks/ Earthworks	Site Preparation	8196	m2	3.68	30161.28	4.96	40652.16
	Earthworks	2426	m3	34.07	82653.82	40.52	98301.52
Road Pavement	Primary Arterial Pavement	0	m2	169.62	0.00	186.26	0.00
	Secondary Arterial Pavement	3085	m2	127.01	391825.85	133.78	412711.30
	Collector Arterial Pavement	873	m2	105.15	91795.95	112.44	98160.12
	Subgrade Preparation	792	m2	14.22	11256.55	16.16	12792.26
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	380	m	54.81	20827.80	60.90	23142.00
	Cycle Path	0	m2	76.59	0.00	91.94	0.00
	SUP/ Footpath	1510	m2	63.51	95900.10	73.63	111181.30
	Traffic Island	109	m2	77.60	8458.40	84.07	9163.63
Drainage	Drainage Pipe 300mm CR Bfilled	0	m	179.85	0.00	197.96	0.00
	Drainage Pipe 375mm CR Bfilled	210	m	259.10	54411.00	282.96	59421.60
	Drainage Pipe 450mm CR Bfilled	379	m	299.43	113483.97	334.33	126711.07
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	21	No.	2565.39	53873.19	2806.10	58928.10
	Drainage - Sub-soil drainage	735	m	33.88	24901.80	43.40	31899.00
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	3	Item/ Per Leg	109730.28	329190.84	128786.34	386359.02
Landscape	Tree Planting	46	No.	303.34	13953.64	363.01	16698.46
	Landscaping	2664	m2	21.61	57569.04	25.16	67026.24
	Topsoil Seeding	2664	m2	7.21	19207.44	8.44	22484.16
Street Lighting	Street Lighting - Road	0	m	216.34	0.00	225.67	0.00
	Street Lighting - Intersections	3	Item/ Per Leg	48468.93	145406.79	55617.74	166853.22
Misc	Regulatory Signage	9	Item	338.43	3045.87	380.39	3423.51
	Line marking	3958	m2 of Pavement	3.11	12309.38	4.09	16188.22
	Landscape maintenance (intersections)	1	Item	71344.66	71344.66	88131.43	88131.43
	Landscape maintenance (roads)	0	m2 of f/scape	2.90	0.00	2.96	0.00
	Tactile Pavers (Hazard only)	24	Item	292.43	7018.32	319.78	7674.72
Other	Rock excavation	755	m3	100.00	75488.50	115.00	86811.78
	Existing pavement removal	2530	m2	65.00	164450.00	71.50	180895.00
	Relocate HV Power poles	1	Item	250000.00	250000.00	275000.00	275000.00
	Telecom relocation	1	Item	27300.00	27300.00	30030.00	30030.00
Delivery	Council Fees	1	%	3.25	70064.61	3.25	78995.79
	VicRoads Fees	1	%	1.00	21558.34	1.00	24306.40
	Traffic Management	1	%	5.00	107791.71	5.00	121531.99
	Environmental Management	1	%	0.50	10779.17	0.50	12153.20
	Surveying and Design	1	%	5.00	107791.71	5.00	121531.99
	Supervision and Project management	1	%	9.00	194025.08	9.00	218757.58
	Site Establishment	1	%	2.50	53895.85	2.50	60766.00
	Contingency	1	%	15.00	323375.13	15.00	364595.97
Total	Excluding Delivery				2,155,834		2,430,640
	Including Delivery				3,045,116		3,433,279
	DBWS ICP specific contingency for IN-12				3,182,146		3,587,776

Appendix A	
Description:	IN-13 - Primary - Connector Street T-Intersection (Gunns Gully Road & Connector St)
Civil Component Number:	IN-13

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Sitemeworks/ Earthworks	Site Preparation	25497	m2	3.68	93828.96	4.96	126465.12
	Earthworks	4688	m3	34.07	159720.16	40.52	189957.76
Road Pavement	Primary Arterial Pavement	5824	m2	169.62	987866.88	186.26	1084778.24
	Secondary Arterial Pavement	0	m2	127.01	0.00	133.78	0.00
	Collector Arterial Pavement	979	m2	105.15	102941.85	112.44	110078.76
	Subgrade Preparation	1361	m2	14.22	19347.73	16.16	21987.30
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	1696	m	54.81	92957.76	60.90	103286.40
	Cycle Path	0	m2	76.59	0.00	91.94	0.00
	SUP/ Footpath	2363	m2	63.51	150074.13	73.63	173987.69
	Traffic Island	734	m2	77.60	56958.40	84.07	61707.38
Drainage	Drainage Pipe 300mm CR Bfilled	0	m	179.85	0.00	197.96	0.00
	Drainage Pipe 375mm CR Bfilled	165	m	259.10	42751.50	282.96	46688.40
	Drainage Pipe 450mm CR Bfilled	586	m	299.43	175465.98	334.33	195917.38
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	23	No.	2565.39	59003.97	2806.10	64540.30
	Drainage - Sub-soil drainage	2417	m	33.88	81887.96	43.40	104897.80
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	3	Item/ Per Leg	109730.28	329190.84	128786.34	386359.02
Landscape	Tree Planting	65	No.	303.34	19717.10	363.01	23595.65
	Landscaping	14347	m2	21.61	310038.67	25.16	360970.52
	Topsoil Seeding	14347	m2	7.21	103441.87	8.44	121088.68
Street Lighting	Street Lighting - Road	0	m	216.34	0.00	225.67	0.00
	Street Lighting - Intersections	3	Item/ Per Leg	48468.93	145406.79	55617.74	166853.22
Misc	Regulatory Signage	16	Item	338.43	5414.88	380.39	6086.24
	Line marking	6803	m2 of Pavement	3.11	21157.33	4.09	27824.27
	Landscape maintenance (intersections)	1	Item	71344.66	71344.66	88131.43	88131.43
	Landscape maintenance (roads)	0	m2 of f/scape	2.90	0.00	2.96	0.00
	Tactile Pavers (Hazard only)	24	Item	292.43	7018.32	319.78	7674.72
Other	Rock excavation	1344	m3	100.00	134363.50	115.00	154518.03
Delivery	Council Fees	1	%	3.25	103021.73	3.25	117890.31
	VicRoads Fees	1	%	1.00	31698.99	1.00	36273.94
	Traffic Management	1	%	5.00	158494.96	5.00	181369.72
	Environmental Management	1	%	0.50	15849.50	0.50	18136.97
	Surveying and Design	1	%	5.00	158494.96	5.00	181369.72
	Supervision and Project management	1	%	9.00	285290.93	9.00	326465.49
	Site Establishment	1	%	2.50	79247.48	2.50	90684.86
	Contingency	1	%	15.00	475484.89	15.00	544109.15
Total	Excluding Delivery				3,169,899		3,627,394
	Including Delivery				4,477,483		5,123,694
	DBWS ICP specific contingency for IN-13				4,678,969		5,354,261

Appendix A	
Description:	IN-14 - Primary - Secondary Intersection (Gunns Gully Road & Patterson Drive)
Civil Component Number:	IN-14

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Sitemeworks/ Earthworks	Site Preparation	44949	m2	3.68	165412.32	4.96	222947.04
	Earthworks	8953	m3	34.07	305011.68	40.52	362755.30
Road Pavement	Primary Arterial Pavement	7544	m2	169.62	1279613.28	186.26	1405145.44
	Secondary Arterial Pavement	5604	m2	127.01	711764.04	133.78	749703.12
	Collector Arterial Pavement	0	m2	105.15	0.00	112.44	0.00
	Subgrade Preparation	2630	m2	14.22	37392.91	16.16	42494.34
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	2775	m	54.81	152097.75	60.90	168997.50
	Cycle Path	0	m2	76.59	0.00	91.94	0.00
	SUP/ Footpath	2759	m2	63.51	175224.09	73.63	203145.17
	Traffic Island	2018	m2	77.60	156596.80	84.07	169653.26
Drainage	Drainage Pipe 300mm CR Bfilled	0	m	179.85	0.00	197.96	0.00
	Drainage Pipe 375mm CR Bfilled	260	m	259.10	67366.00	282.96	73569.60
	Drainage Pipe 450mm CR Bfilled	1100	m	299.43	329373.00	334.33	367763.00
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	44	No.	2565.39	112877.16	2806.10	123468.40
	Drainage - Sub-soil drainage	3791	m	33.88	128439.08	43.40	164529.40
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	4	Item/ Per Leg	109730.28	438921.12	128786.34	515145.36
Landscape	Tree Planting	72	No.	303.34	21840.48	363.01	26136.72
	Landscaping	24794	m2	21.61	535798.34	25.16	623817.04
	Topsoil Seeding	24794	m2	7.21	178764.74	8.44	209261.36
Street Lighting	Street Lighting - Road	0	m	216.34	0.00	225.67	0.00
	Street Lighting - Intersections	4	Item/ Per Leg	48468.93	193875.72	55617.74	222470.96
Misc	Regulatory Signage	16	Item	338.43	5414.88	380.39	6086.24
	Line marking	13148	m2 of Pavement	3.11	40890.28	4.09	53775.32
	Landscape maintenance (intersections)	1	Item	71344.66	71344.66	88131.43	88131.43
	Landscape maintenance (roads)	0	m2 of f/scape	2.90	0.00	2.96	0.00
	Tactile Pavers (Hazard only)	24	Item	292.43	7018.32	319.78	7674.72
Other	Rock excavation	2502	m3	100.00	250217.50	115.00	287750.13
Delivery	Council Fees	1	%	3.25	174370.76	3.25	198068.68
	VicRoads Fees	1	%	1.00	53652.54	1.00	60944.21
	Traffic Management	1	%	5.00	268262.71	5.00	304721.04
	Environmental Management	1	%	0.50	26826.27	0.50	30472.10
	Surveying and Design	1	%	5.00	268262.71	5.00	304721.04
	Supervision and Project management	1	%	9.00	482872.87	9.00	548497.88
	Site Establishment	1	%	2.50	134131.35	2.50	152360.52
	Contingency	1	%	15.00	804788.12	15.00	914163.13
Total	Excluding Delivery				5,365,254		6,094,421
	Including Delivery				7,578,421		8,608,369
	DBWS ICP specific contingency for IN-14				7,919,450		8,995,746

Appendix A	
Description:	IN-15 - Primary - Secondary - Connector Street Intersection: (Gunns Gully Road & Koukoura Drive)
Civil Component Number:	IN-15

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Sitemeworks/ Earthworks	Site Preparation	33195	m2	3.68	122157.60	4.96	164647.20
	Earthworks	6351	m3	34.07	216391.01	40.52	257357.31
Road Pavement	Primary Arterial Pavement	8039	m2	169.62	1363575.18	186.26	1497344.14
	Secondary Arterial Pavement	0	m2	127.01	0.00	133.78	0.00
	Collector Arterial Pavement	1128	m2	105.15	118609.20	112.44	126832.32
	Subgrade Preparation	1833	m2	14.22	26070.95	16.16	29627.74
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	2176	m	54.81	119266.56	60.90	132518.40
	Cycle Path	0	m2	76.59	0.00	91.94	0.00
	SUP/ Footpath	2896	m2	63.51	183924.96	73.63	213232.48
	Traffic Island	1238	m2	77.60	96068.80	84.07	104078.66
Drainage	Drainage Pipe 300mm CR Bfilled	0	m	179.85	0.00	197.96	0.00
	Drainage Pipe 375mm CR Bfilled	873	m	259.10	226194.30	282.96	247024.08
	Drainage Pipe 450mm CR Bfilled	55	m	299.43	16468.65	334.33	18388.15
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	25	No.	2565.39	64134.75	2806.10	70152.50
	Drainage - Sub-soil drainage	2625	m	33.88	88935.00	43.40	113925.00
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	4	Item/ Per Leg	109730.28	438921.12	128786.34	515145.36
Landscape	Tree Planting	55	No.	303.34	16683.70	363.01	19965.55
	Landscaping	18548	m2	21.61	400822.28	25.16	466667.68
	Topsoil Seeding	18548	m2	7.21	133731.08	8.44	156545.12
Street Lighting	Street Lighting - Road	0	m	216.34	0.00	225.67	0.00
	Street Lighting - Intersections	4	Item/ Per Leg	48468.93	193875.72	55617.74	222470.96
Misc.	Regulatory Signage	16	Item	338.43	5414.88	380.39	6086.24
	Line marking	9167	m2 of Pavement	3.11	28509.37	4.09	37493.03
	Landscape maintenance (Intersections)	1	Item	71344.66	71344.66	88131.43	88131.43
	Landscape maintenance (roads)	0	m2 of f/scape	2.90	0.00	2.96	0.00
	Tactile Pavers (Hazard only)	24	Item	292.43	7018.32	319.78	7674.72
Other	Rock excavation	1752	m3	100.00	175172.80	115.00	201448.72
Delivery	Council Fees	1	%	3.25	133681.95	3.25	152644.60
	VicRoads Fees	1	%	1.00	41132.91	1.00	46967.57
	Traffic Management	1	%	5.00	205664.54	5.00	234837.84
	Environmental Management	1	%	0.50	20566.45	0.50	23483.78
	Surveying and Design	1	%	5.00	205664.54	5.00	234837.84
	Supervision and Project management	1	%	9.00	370196.18	9.00	422708.11
	Site Establishment	1	%	2.50	102832.27	2.50	117418.92
	Contingency	1	%	15.00	616993.63	15.00	704513.52
Total	Excluding Delivery				4,113,291		4,696,757
	Including Delivery				5,810,023		6,634,169

Appendix A	
Description:	IN-16 - Secondary - Connector Street T-Intersection (Patterson Drive & Connector St)
Civil Component Number:	IN-16

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Sitemeworks/ Earthworks	Site Preparation	15615	m2	3.68	57463.20	4.96	77450.40
	Earthworks	3394	m3	34.07	115636.82	40.52	137528.73
Road Pavement	Primary Arterial Pavement	0	m2	169.62	0.00	186.26	0.00
	Secondary Arterial Pavement	4104	m2	127.01	521249.04	133.78	549033.12
	Collector Arterial Pavement	1473	m2	105.15	154885.95	112.44	165624.12
	Subgrade Preparation	1115	m2	14.22	15860.99	16.16	18024.86
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
	Pavement Other	0	m2	0.00	0.00	0.00	0.00
Concrete Works	Kerb and Channel	1305	m	54.81	71527.05	60.90	79474.50
	Cycle Path	0	m2	76.59	0.00	91.94	0.00
	SUP/ Footpath	1797	m2	63.51	114127.47	73.63	132313.11
	Traffic Island	297	m2	77.60	23047.20	84.07	24968.79
Drainage	Drainage Pipe 300mm CR Bfilled	0	m	179.85	0.00	197.96	0.00
	Drainage Pipe 375mm CR Bfilled	495	m	259.10	128254.50	282.96	140065.20
	Drainage Pipe 450mm CR Bfilled	0	m	299.43	0.00	334.33	0.00
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	14	No.	2565.39	35915.46	2806.10	39285.40
	Drainage - Sub-soil drainage	1571	m	33.88	53225.48	43.40	68181.40
	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
Traffic signals	Traffic Signals (all inclusive)	3	Item/ Per Leg	109730.28	329190.84	128786.34	386359.02
Landscape	Tree Planting	61	No.	303.34	18503.74	363.01	22143.61
	Landscaping	6813	m2	21.61	147228.93	25.16	171415.08
	Topsoil Seeding	6813	m2	7.21	49121.73	8.44	57501.72
Street Lighting	Street Lighting - Road	0	m	216.34	0.00	225.67	0.00
	Street Lighting - Intersections	3	Item/ Per Leg	48468.93	145406.79	55617.74	166853.22
Misc.	Regulatory Signage	24	Item	338.43	8122.32	380.39	9129.36
	Line marking	5577	m2 of Pavement	3.11	17344.47	4.09	22809.93
	Landscape maintenance (Intersections)	1	Item	71344.66	71344.66	88131.43	88131.43
	Landscape maintenance (roads)	0	m2 of f/scape	2.90	0.00	2.96	0.00
	Tactile Pavers (Hazard only)	24	Item	292.43	7018.32	319.78	7674.72
Other	Rock excavation	944	m3	100.00	94409.40	115.00	108570.81
Delivery	Council Fees	1	%	3.25	70813.74	3.25	80357.50
	VicRoads Fees	1	%	1.00	21788.84	1.00	24725.39
	Traffic Management	1	%	5.00	108944.22	5.00	123626.93
	Environmental Management	1	%	0.50	10894.42	0.50	12362.69
	Surveying and Design	1	%	5.00	108944.22	5.00	123626.93
	Supervision and Project management	1	%	9.00	196099.59	9.00	222528.47
	Site Establishment	1	%	2.50	54472.11	2.50	61813.46
	Contingency	1	%	15.00	326832.65	15.00	370880.78
Total	Excluding Delivery				2,178,884		2,472,539
	Including Delivery				3,077,674		3,492,461
	DBWS ICP specific contingency for IN-16				3,216,169		3,649,621

Appendix A	
Description:	IN-17 - Secondary - Connector Street T-Intersection (Patterson Drive & Connector St)
Civil Component Number:	IN-17

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Sitemeworks/ Earthworks	Site Preparation	16969	m2	3.68	62445.92	4.96	84166.24
	Earthworks	3345	m3	34.07	113964.15	40.52	135539.40
Road Pavement	Primary Arterial Pavement	0	m2	169.62	0.00	186.26	0.00
	Secondary Arterial Pavement	4329	m2	127.01	549826.29	133.78	579133.62
	Collector Arterial Pavement	1114	m2	105.15	117137.10	112.44	125258.16
	Subgrade Preparation	1089	m2	14.22	15485.58	16.16	17598.24
	Pavement Rehab	0	m2	51.58	0.00	59.32	0.00
Concrete Works	Pavement Other	0	m2	0.00	0.00	0.00	0.00
	Kerb and Channel	1321	m	54.81	72404.01	60.90	80448.90
	Cycle Path	0	m2	76.59	0.00	91.94	0.00
	SUP/ Footpath	1850	m2	63.51	117493.50	73.63	136215.50
Drainage	Traffic Island	588	m2	77.60	45628.80	84.07	49433.16
	Drainage Pipe 300mm CR Bfilled	0	m	179.85	0.00	197.96	0.00
	Drainage Pipe 375mm CR Bfilled	630	m	259.10	163233.00	282.96	178264.80
	Drainage Pipe 450mm CR Bfilled	0	m	299.43	0.00	334.33	0.00
	Drainage Pipe 525mm CR Bfilled	0	m	403.86	0.00	448.03	0.00
	Drainage - pits	20	No.	2565.39	51307.80	2806.10	56122.00
	Drainage - Sub-soil drainage	1678	m	33.88	56850.64	43.40	72825.20
Traffic signals	Drainage Culvert	0	No.	0.00	0.00	0.00	0.00
	Traffic Signals (all inclusive)	3	Item/ Per Leg	109730.28	329190.84	128786.34	386359.02
Landscape	Tree Planting	42	No.	303.34	12740.28	363.01	15246.42
	Landscaping	7925	m2	21.61	171259.25	25.16	199393.00
	Topsoil Seeding	7925	m2	7.21	57139.25	8.44	66887.00
Street Lighting	Street Lighting - Road	0	m	216.34	0.00	225.67	0.00
	Street Lighting - Intersections	3	Item/ Per Leg	48468.93	145406.79	55617.74	166853.22
Misc.	Regulatory Signage	10	Item	338.43	3384.30	380.39	3803.90
	Line marking	5442	m2 of Pavement	3.11	16924.62	4.09	22257.78
	Landscape maintenance (intersections)	1	Item	71344.66	71344.66	88131.43	88131.43
	Landscape maintenance (roads)	0	m2 of l'scape	2.90	0.00	2.96	0.00
	Tactile Pavers (Hazard only)	24	Item	292.43	7018.32	319.78	7674.72
Other	Rock excavation	995	Item	100.00	99471.00	115.00	114391.65
	Gas protection slab	1	Item	70500.00	70500.00	70500.00	70500.00
Delivery							
	Council Fees	1	%	3.25	76380.07	3.25	86336.36
	VicRoads Fees	1	%	1.00	23501.56	1.00	26565.03
	Traffic Management	1	%	5.00	117507.81	5.00	132825.17
	Environmental Management	1	%	0.50	11750.78	0.50	13282.52
	Surveying and Design	1	%	5.00	117507.81	5.00	132825.17
	Supervision and Project management	1	%	9.00	211514.05	9.00	239085.30
	Site Establishment	1	%	2.50	58753.90	2.50	66412.58
Total	Contingency	1	%	15.00	352523.42	15.00	398475.50
	Excluding Delivery				2,350,156		2,656,503
	Including Delivery				3,319,595		3,752,311
	DBWS ICP specific contingency for IN-17				3,468,977		3,921,165

BR-01

Appendix A	
Description:	BRIDGE BR-01 - 176m
Civil Component Number:	BR-01

Group	Sub Item	Qty	Unit	Rate (P50)	Amount P(50)	Rate (P90)	Amount P(90)
Earthworks	Site Preparation	7923	m2	3.68	29,156.64	6.62	52,450.26
	Earthworks	13262	m3	50.07	664,028.34	54.62	724,370.44
On-Structure Works	Retaining Walls, abutments, footings	incl	No	369,439.34	0.00	415,928.97	0.00
	Bridge Deck	incl	m2	1,258.48	0.00	2,060.14	0.00
	Guard Rails/ Balustrade	incl	m	2,355.21	0.00	3,032.46	0.00
	Transition Slab	2	No	33,425.31	66,850.62	38,439.11	76,878.22
	Overall Super T Cost	2410	m2	4,425.57	10,665,623.70	5,226.40	12,595,624.00
Off Structure	Guard Rails/ Balustrade	300	m	187.10	56,130.00	224.54	67,362.00
	GREAT Terminal	4	No	8,767.42	35,069.68	13,875.66	55,502.64
	Off structure barrier	0	Item	1,565.45	0.00	2,311.95	0.00
Other	Anti Throw barrier	52	m	270.00	14,040.00	310.50	16,146.00
	Reinforced Earth embankment	1	Item	337,469.90	337,469.90	388,090.39	388,090.39
	Pier protection barrier	1	Item	60,000.00	60,000.00	69,000.00	69,000.00
	Occupations cost	1	Item	1,393,000.00	1,393,000.00	1,601,950.00	1,601,950.00
Delivery	Council Fees	1	%	3.25	432,944.49	3.25	508,539.65
	VicRoads Fees	1	%	1.00	133,213.69	1.00	156,473.74
	Traffic Management	1	%	5.00	666,068.44	5.00	782,368.70
	Environmental Management	1	%	0.50	66,606.84	0.50	78,236.87
	Surveying and Design	1	%	5.00	666,068.44	5.00	782,368.70
	Supervision and Project management	1	%	9.00	1,198,923.20	9.00	1,408,263.66
	Site Establishment	1	%	2.50	333,034.22	2.50	391,184.35
	Contingency	1	%	20.00	2,664,273.78	20.00	3,129,474.79
Total	Excluding Delivery				13,321,369		15,647,374
	Including Delivery				19,482,502		22,884,284

BR-02

Appendix C	
Description:	BRIDGE BR-02
Civil Component Number:	BR-02

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Sitework and Earthwork	Site Preparation	509	m2	3.68	1873.12	4.23	2154.09
	Diversion works (item)	1	Item	15000.00	15000.00	17250.00	17250.00
	Waterway re-shaping	1	Item	3000.00	3000.00	3450.00	3450.00
	Stripping of topsoil (m2)	740	m2	3.90	2886.00	4.49	3318.90
	Excavation (m3)	2300	m3	37.00	85100.00	42.55	97865.00
	Rock excavation allowance	460	m3	100.00	46000.00	115.00	52900.00
	Formation of batters (m3)	320	m3	15.00	4800.00	17.25	5520.00
Drainage Structure	Box culvert units 1200 x 2100 (No.)	32	No.	4200.00	134400.00	4830.00	154560.00
	Link slab 1200 x 2100 (No.)	16	No.	2469.00	39504.00	2839.35	45429.60
	Foundation slab 1200 x 2100 (200 mm)	560	m2	212.00	118720.00	243.80	136528.00
	Granular Bedding 150 mm thick crushed	560	m2	17.25	9660.00	19.84	11109.00
	Apron Slab (m2)	153	m2	220.25	33698.25	253.29	38752.99
	Wing wall (m2)	33	m2	700.00	23100.00	805.00	26565.00
On Structure	Endwall (m2)	40	m2	700.00	28000.00	805.00	32200.00
	Structural Fill (m3)	640	m3	75.00	48000.00	86.25	55200.00
	Vehicle Barrier	52	lm	247.50	12870.00	284.63	14800.50
Delivery	Signs (Item)	1	Item	1800.00	1800.00	2070.00	2070.00
	Council Fees	1	%	3.25	19773.37	3.25	22739.37
	Authority Fees	1	%	1.00	6084.11	1.00	6996.73
	Traffic Management	1	%	5.00	30420.57	5.00	34983.65
	Environmental Management	1	%	0.50	3042.06	0.50	3498.37
	Surveying and Design	1	%	5.00	30420.57	5.00	34983.65
	Supervision and Project management	1	%	9.00	54757.02	9.00	62970.58
	Site Establishment	1	%	2.50	15210.28	2.50	17491.83
Total	Excluding Delivery				608,411		699,673
	Including Delivery				859,381		988,288

BR-03

Appendix A	
Description:	Hayes Hill Blvd Culverts
Civil Component Number:	BR-03

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Sitework and Earthwork	Site Preparation	2250	m2	3.68	8280.00	4.23	9522.00
	Diversion works (item)	1	Item	10000.00	10000.00	11500.00	11500.00
	Waterway re-shaping	1	Item	5000.00	5000.00	5750.00	5750.00
	Stripping of topsoil (m2)	2250	m2	3.90	8775.00	4.49	10091.25
	Excavation (m3)	1015	m3	37.00	37555.00	42.55	43188.25
	Allowance for rock excavation	203	m3	100.00	20300.00	115.00	23345.00
	Formation of batters (m3)	2000	m3	15.00	30000.00	17.25	34500.00
	Main Channel Culverts						
Drainage Structure	3000x1500 RCBC	51	lm	5000.00	\$ 255,000.00	5750.00	293250.00
	3000Clear Span Link Slab	34	lm	2500.00	\$ 85,000.00	2875.00	97750.00
	Nom. 3500 Wide Base Slab	51	lm	3000.00	\$ 153,000.00	3450.00	175950.00
	2400x900 RCBC	34	lm	4000.00	\$ 136,000.00	4600.00	156400.00
	2400 Clear Span Link Slab	34	lm	2000.00	\$ 68,000.00	2300.00	78200.00
	1800x900 Grated Pit with 500mm wide concrete apron	15	No.	7000.00	\$ 105,000.00	8050.00	120750.00
	1200x900 Grated Pit with 500mm wide concrete apron	6	No.	6000.00	\$ 36,000.00	6900.00	41400.00
	Terrestrial Culverts (C1)						
	2100x900 RCBC	51	lm	3500.00	\$ 178,500.00	4025.00	205275.00
	2100Clear Span Link Slab	34	lm	2000.00	\$ 68,000.00	2300.00	78200.00
	Nom. 2600 Wide Base Slab	51	lm	2500.00	\$ 127,500.00	2875.00	146625.00
	1200x900 Grated Pit with 500mm wide concrete apron	15	No.	6000.00	\$ 90,000.00	6900.00	103500.00
	Terrestrial Culverts (C2)						
	2100x900 RCBC	51	lm	3500.00	\$ 178,500.00	4025.00	205275.00
	2100Clear Span Link Slab	34	lm	2000.00	\$ 68,000.00	2300.00	78200.00
	Nom. 2600 Wide Base Slab	51	lm	2500.00	\$ 127,500.00	2875.00	146625.00
	1200x900 Grated Pit with 500mm wide concrete apron	15	No.	6000.00	\$ 90,000.00	6900.00	103500.00
	Headwalls						
	To suit Multi 3000x1500 & 2400x900 RCBC Outlet	2	No.	80000.00	\$ 160,000.00	92000.00	184000.00
	To suit Multi 2100x900 RCBC Outlet	4	No.	60000.00	\$ 240,000.00	69000.00	276000.00
	Concrete Check Weir						
	300mm thick, min 1m deep concrete Check Weir. Inc Rock work	20	lm	750.00	\$ 15,000.00	862.50	17250.00
On Structure	Vehicle Barrier	200	lm	247.50	49500.00	284.63	56925.00
Delivery	Council Fees	1	%	3.25	76388.33	3.25	87846.57
	Authority Fees	1	%	1.00	23504.10	1.00	27029.72
	Traffic Management	1	%	5.00	117520.50	5.00	135148.58
	Environmental Management	1	%	0.50	11752.05	0.50	13514.86
	Surveying and Design	1	%	5.00	117520.50	5.00	135148.58
	Supervision and Project management	1	%	9.00	211536.90	9.00	243267.44
	Site Establishment	1	%	2.50	58760.25	2.50	67574.29
	Contingency	1	%	15.00	352561.50	15.00	405445.73
Total	Excluding Delivery				2,350,410		2,702,972
	Including Delivery				3,319,954		3,817,947

BR-04

Appendix A	
Description:	Cameron St Culverts
Civil Component Number:	BR-04

Group	Sub Item	Qty	Unit	Rate (P50)	Amount (P50)	Rate (P90)	Amount (P90)
Sitework and Earthwork	Site Preparation	2250	m2	3.68	8280.00	4.23	9522.00
	Diversion works (item)	1	Item	10000.00	10000.00	11500.00	11500.00
	Waterway re-shaping	1	Item	5000.00	5000.00	5750.00	5750.00
	Stripping of topsoil (m2)	2250	m2	3.90	8775.00	4.49	10091.25
	Excavation (m3)	1015	m3	37.00	37555.00	42.55	43188.25
	Allowance for rock excavation	203	m3	100.00	20300.00	115.00	23345.00
	Formation of batters (m3)	2000	m3	15.00	30000.00	17.25	34500.00
	Main Channel Culverts						
Drainage Structure	3000x1500 RCBC	45	lm	5000.00	\$ 225,000.00	5750.00	258750.00
	3000Clear Span Link Slab	30	lm	2500.00	\$ 75,000.00	2875.00	86250.00
	Nom. 3500 Wide Base Slab	45	lm	3000.00	\$ 135,000.00	3450.00	155250.00
	2400x900 RCBC	30	lm	4000.00	\$ 120,000.00	4600.00	138000.00
	2400 Clear Span Link Slab	30	lm	2000.00	\$ 60,000.00	2300.00	69000.00
	1800x900 Grated Pit with 500mm wide concrete apron	10	No.	7000.00	\$ 70,000.00	8050.00	80500.00
	1200x900 Grated Pit with 500mm wide concrete apron	4	No.	6000.00	\$ 24,000.00	6900.00	27600.00
	Terrestrial Culverts (C1)						
	2100x900 RCBC	45	lm	3500.00	\$ 157,500.00	4025.00	181125.00
	2100Clear Span Link Slab	30	lm	2000.00	\$ 60,000.00	2300.00	69000.00
	Nom. 2600 Wide Base Slab	45	lm	2500.00	\$ 112,500.00	2875.00	129375.00
	1200x900 Grated Pit with 500mm wide concrete apron	10	No.	6000.00	\$ 60,000.00	6900.00	69000.00
	Terrestrial Culverts (C2)						
	2100x900 RCBC	45	lm	3500.00	\$ 157,500.00	4025.00	181125.00
	2100Clear Span Link Slab	30	lm	2000.00	\$ 60,000.00	2300.00	69000.00
	Nom. 2600 Wide Base Slab	45	lm	2500.00	\$ 112,500.00	2875.00	129375.00
	1200x900 Grated Pit with 500mm wide concrete apron	10	No.	6000.00	\$ 60,000.00	6900.00	69000.00
	Headwalls						
	To suit Multi 3000x1500 & 2400x900 RCBC Outlet	2	No.	80000.00	\$ 160,000.00	92000.00	184000.00
	To suit Multi 2100x900 RCBC Outlet	4	No.	60000.00	\$ 240,000.00	69000.00	276000.00
	Concrete Check Weir						
	300mm thick, min 1m deep concrete Check Weir	20	lm	750.00	\$ 15,000.00	862.50	17250.00
On Structure	Vehicle Barrier	200	lm	247.50	49500.00	284.63	56925.00
Delivery	Council Fees	1	%	3.25	67385.83	3.25	77493.70
	Authority Fees	1	%	1.00	20734.10	1.00	23844.22
	Traffic Management	1	%	5.00	103670.50	5.00	119221.08
	Environmental Management	1	%	0.50	10367.05	0.50	11922.11
	Surveying and Design	1	%	5.00	103670.50	5.00	119221.08
	Supervision and Project management	1	%	9.00	186606.90	9.00	214597.94
	Site Establishment	1	%	2.50	51835.25	2.50	59610.54
	Contingency	1	%	15.00	311011.50	15.00	357663.23
Total	Excluding Delivery				2,073,410		2,384,422
	Including Delivery				2,928,692		3,367,995

BR-05

Appendix A	
Description:	BRIDGE BR-05 - 50m
Civil Component Number:	BR-05

Group	Sub Item	Qty	Unit	Rate (P50)	Amount P(50)	Rate (P90)	Amount P(90)
Earthworks	Site Preparation	2500	m2	3.68	9,200.00	6.62	16,550.00
	Earthworks	12313	m3	50.07	616,511.91	54.62	672,536.06
On-Structure Works	Retaining Walls, abutments, footings	incl	No	369,439.34	0.00	415,928.97	0.00
	Bridge Deck	incl	m2	1,258.48	0.00	2,060.14	0.00
	Guard Rails/ Balustrade	incl	m	2,355.21	0.00	3,032.46	0.00
	Transition Slab	2	No	33,425.31	66,850.62	38,439.11	76,878.22
	Overall Super T Cost	850	m2	4,425.57	3,761,734.50	5,226.40	4,442,440.00
Off Structure	Guard Rails/ Balustrade	120	m	187.10	22,452.00	224.54	26,944.80
	GREAT Terminal	4	No	8,767.42	35,069.68	13,875.66	55,502.64
	Off structure barrier	0	Item	1,565.45	0.00	2,311.95	0.00
Other	Reinforced Earth embankment	1	Item	76,160.00	76,160.00	91,392.00	91,392.00
	Landscaping and topsoil seeding	1	m2	55,334.00	55,334.00	64,512.00	64,512.00
	Landscape maintenance	1	Item	41,600.00	41,600.00	47,840.00	47,840.00
Delivery	Council Fees	1	%	3.25	152,259.66	3.25	178,574.36
	VicRoads Fees	1	%	1.00	46,849.13	1.00	54,945.96
	Traffic Management	1	%	5.00	234,245.64	5.00	274,729.79
	Environmental Management	1	%	0.50	23,424.56	0.50	27,472.98
	Surveying and Design	1	%	5.00	234,245.64	5.00	274,729.79
	Supervision and Project management	1	%	9.00	421,642.14	9.00	494,513.61
	Site Establishment	1	%	2.50	117,122.82	2.50	137,364.89
	Contingency	1	%	20.00	936,982.54	20.00	1,098,919.14
Total	Excluding Delivery				4,684,913		5,494,596
	Including Delivery				6,851,685		8,035,846

CI-01, CI-02, CI-03, CI-05

Appendix C							
Description:		Community Facilities - Level 2					
Civil Component Number:		Item 38					
Group	Sub Item	Qty	Unit	Rate (P50)	Amount P(50)	Rate (P90)	Amount P(90)
Building	Kindergarten	750	m2	2544.60	1908450.00	2623.87	1967902.50
	Small commercial Kitchen	30	m2	2854.70	85641.00	3109.11	93273.30
	Maternal And Child Health Consulting	100	m2	2464.03	246403.00	2567.64	256764.00
	Multipurpose community Spaces	500	m2	2301.97	1150985.00	2440.90	1220450.00
	Storage External	0	m2	1830.21	0.00	2040.01	0.00
	Extra 33-place Kindergarten Room/	150	m2	2301.97	345295.50	2440.90	366135.00
	Disabled toilet/ Parent's Change room	0	m2	3039.66	0.00	3461.73	0.00
	Toilets/ Change Rooms	0	m2	2852.57	0.00	3108.74	0.00
	Administration	0	m2	2245.34	0.00	2290.02	0.00
	Cleaners	0	m2	2148.82	0.00	2324.84	0.00
Canopy & Veranda	Canopy & Veranda	0	m2	1105.52	0.00	1298.89	0.00
Car Park	Pavement	2253	m2	97.15	218878.95	105.90	238592.70
	Kerb and Channel	398	m	54.81	21814.38	62.05	24695.90
	Drainage Pipes	195	m	179.85	35070.75	201.37	39267.15
	Drainage Pits	7	Item	2565.39	17957.73	2851.46	19960.22
	Linemarking/Signage	2253	Item	3.11	7006.83	4.27	9620.31
	Car Park Lighting	2380	m2	15.08	35890.40	18.35	43673.00
	Other	0		0.00	0.00	0.00	0.00
Outdoor Play	Kindergarten outdoor playspaces	700	m2	530.00	371000.00	609.50	426650.00
	Playground	800	m3	794.33	635464.00	1131.30	905040.00
Site Works	Site Preparation	7313	m2	3.68	26911.84	5.20	38027.60
	Paths	202	m2	67.64	13663.28	81.25	16412.50
	Landscaping	500	m2	26.18	13090.00	29.81	14905.00
	Lighting	0	Item	0.00	0.00	0.00	0.00
	Boundary Fencing	130	m	88.98	11567.40	115.53	15018.90
	Gates	1	Item	614.85	614.85	707.08	707.08
	Other	0		0.00	0.00	0.00	0.00
Services	Stormwater	1	%	3.30	169808.26	3.30	188004.14
	Sewer	1	%	2.03	104457.81	2.03	115651.03
	Water	1	%	1.98	101884.96	1.98	112802.48
	Gas	1	%	0.88	45282.20	0.88	50134.44
	Fire Protection	1	%	0.66	33961.65	0.66	37600.83
	Light & Power	1	%	2.38	122467.78	2.38	135590.86
Miscellaneous	Communication	1	%	0.50	25728.52	0.50	28485.48
	Sub-standard site conditions	0	% of area	0.00	0.00	0.00	0.00
Delivery							
	Council Fees	1	%	3.25	186852.12	3.25	206874.34
	Authority Fees	1	%	1.00	57492.96	1.00	63653.64
	Traffic Management	1	%	2.00	114985.92	2.00	127307.29
	Environmental Management	1	%	0.50	28746.48	0.50	31826.82
	Survey/ Design Fees	1	%	5.00	287464.80	5.00	318268.22
	Supervision and Project Management	1	%	9.00	517436.65	9.00	572882.80
	Site Establishment	1	%	2.50	143732.40	2.50	159134.11
	Environmentally Sustainable Design	1	%	2.00	114985.92	2.00	127307.29
Total	Contingency	1	%	15.00	862394.41	15.00	954804.66
	Excluding Delivery				5,749,296		6,365,364
	Including Delivery				8,063,388		8,927,424

CI-04

Appendix C	
Description:	Community Facilities - Level 3
Civil Component Number:	Item 39

Group	Sub Item	Qty	Unit	Rate (P50)	Amount P(50)	Rate (P90)	Amount P(90)
Building	Library	1500	m2	2301.97	3452955.00	2440.90	3661350.00
	Small commercial Kitchen	45	m2	2854.70	128461.50	3109.11	139909.95
	Consulting Suite	200	m2	2464.03	492806.00	2567.64	513528.00
	Multipurpose community Spaces	450	m2	2301.97	1035886.50	2440.90	1098405.00
	Storage External	0	m2	1830.21	0.00	2040.01	0.00
	Specialist Community Space	250	m2	2301.97	575492.50	2440.90	610225.00
	Disabled toilet/ Parent's Change room	0	m2	3039.66	0.00	3461.73	0.00
	Toilets/ Change Rooms	0	m2	2852.57	0.00	3108.74	0.00
	Administration	0	m2	2245.34	0.00	2290.02	0.00
	Cleaners	0	m2	2148.82	0.00	2324.84	0.00
	Canopy & Veranda	0	m2	1105.52	0.00	1298.89	0.00
Car Park	Pavement	3327	m2	97.15	323218.05	105.90	352329.30
	Kerb and Channel	473	m	54.81	25925.13	62.05	29349.65
	Drainage Pipes	282	m	179.85	50717.70	201.37	56786.34
	Drainage Pits	10	Item	2565.39	25653.90	2851.46	28514.60
	Linemarking/Signage	3327	Item	3.11	10346.97	4.27	14206.29
	Car Park Lighting	3456	m2	15.08	52116.48	18.35	63417.60
	Other	0		0.00	0.00	0.00	0.00
Outdoor Play	Kindergarten outdoor playspaces	0	m2	530.00	0.00	609.50	0.00
	Playground	800	m3	794.33	635464.00	1131.30	905040.00
Site Works	Site Preparation	8777	m2	3.68	32299.36	5.20	45640.40
	Paths	180	m2	67.64	12175.20	81.25	14625.00
	Landscaping	500	m2	26.18	13090.00	29.81	14905.00
	Lighting	0	Item	0.00	0.00	0.00	0.00
	Boundary Fencing	0	m	88.98	0.00	115.53	0.00
	Gates	1	Item	614.85	614.85	707.08	707.08
	Other	0		0.00	0.00	0.00	0.00
Services	Stormwater	1	%	3.30	226618.36	3.30	249114.99
	Sewer	1	%	2.03	139404.63	2.03	153243.47
	Water	1	%	1.98	135971.02	1.98	149469.00
	Gas	1	%	0.88	60431.56	0.88	66430.67
	Fire Protection	1	%	0.66	45323.67	0.66	49823.00
	Light & Power	1	%	2.38	163439.91	2.38	179664.75
	Communication	1	%	0.50	34336.12	0.50	37744.70
Miscellaneous	Sub-standard site conditions	0	% of area	0.00	0.00	0.00	0.00
Delivery	Council Fees	1	%	3.25	249364.32	3.25	274118.97
	Authority Fees	1	%	1.00	76727.48	1.00	84344.30
	Traffic Management	1	%	2.00	153454.97	2.00	168688.60
	Environmental Management	1	%	0.50	38363.74	0.50	42172.15
	Survey/ Design Fees	1	%	5.00	383637.42	5.00	421721.49
	Supervision and Project Management	1	%	9.00	690547.36	9.00	759098.68
	Site Establishment	1	%	2.50	191818.71	2.50	210860.74
	Environmentally Sustainable Design	1	%	2.00	153454.97	2.00	168688.60
	Contingency	1	%	15.00	1150912.26	15.00	1265164.47
Total	Excluding Delivery				7,672,748		8,434,430
	Including Delivery				10,761,030		11,829,288

CI-06, CI-07

Appendix C							
Description:		Community Facilities - Level 1					
Civil Component Number:		Item 37					
Group	Sub Item	Qty	Unit	Rate (P50)	Amount P(50)	Rate (P90)	Amount P(90)
Building	Kindergarten	750	m2	2544.60	1908450.00	2623.87	1967902.50
	Small commercial Kitchen	15	m2	2854.70	42820.50	3109.11	46636.65
	Maternal And Child Health Consulting	100	m2	2464.03	246403.00	2567.64	256764.00
	Multipurpose community Spaces	200	m2	2301.97	460394.00	2440.90	488180.00
	Storage External	0	m2	1830.21	0.00	2040.01	0.00
	Extra 33-place Kindergarten Room/ multipurposes meeting space	150	m2	2301.97	345295.50	2440.90	366135.00
	Disabled toilet/ Parent's Change room	0	m2	3039.66	0.00	3461.73	0.00
	Toilets/ Change Rooms	0	m2	2852.57	0.00	3108.74	0.00
	Administration	0	m2	2245.34	0.00	2290.02	0.00
	Cleaners	0	m2	2148.82	0.00	2324.84	0.00
Canopy & Veranda	Canopy & Veranda	0	m2	1105.52	0.00	1298.89	0.00
Car Park	Pavement	1910	m2	97.15	185556.50	105.90	202269.00
	Kerb and Channel	220	m	54.81	12058.20	62.05	13651.00
	Drainage Pipes	159	m	179.85	28596.15	201.37	32017.83
	Drainage Pits	7	Item	2565.39	17957.73	2851.46	19960.22
	Linemarking/Signage	1910	Item	3.11	5940.10	4.27	8155.70
	Car Park Lighting	2047	m2 of carpark	15.08	30868.76	18.35	37562.45
	Other	0		0.00	0.00	0.00	0.00
Outdoor Play	Kindergarten outdoor playspaces	700	m2	530.00	371000.00	609.50	426650.00
	Playground	800	m3	794.33	635464.00	1131.30	905040.00
Site Works	Site Preparation	6797	m2	3.68	25012.96	5.20	35344.40
	Paths	210	m2	67.64	14204.40	81.25	17062.50
	Landscaping	500	m2	26.18	13090.00	29.81	14905.00
	Lighting	0	Item	0.00	0.00	0.00	0.00
	Boundary Fencing	125	m	88.98	11122.50	115.53	14441.25
	Gates	1	Item	614.85	614.85	707.08	707.08
Services	Other			0.00	0.00	0.00	0.00
	Stormwater	1	%	3.30	143710.02	3.30	160161.69
	Sewer	1	%	2.03	88403.44	2.03	98523.71
	Water	1	%	1.98	86226.01	1.98	96097.01
	Gas	1	%	0.88	38322.67	0.88	42709.78
	Fire Protection	1	%	0.66	28742.00	0.66	32032.34
	Light & Power	1	%	2.38	103645.41	2.38	115510.55
Miscellaneous	Communication	1	%	0.50	21774.25	0.50	24266.92
	Sub-standard site conditions	0	% of area	0.00	0.00	0.00	0.00
Delivery							
	Council Fees	1	%	3.25	158134.37	3.25	176237.31
	Authority Fees	1	%	1.00	48656.73	1.00	54226.87
	Traffic Management	1	%	2.00	97313.46	2.00	108453.73
	Environmental Management	1	%	0.50	24328.36	0.50	27113.43
	Survey/ Design Fees	1	%	5.00	243283.65	5.00	271134.33
	Supervision and Project Management	1	%	9.00	437910.57	9.00	488041.79
	Site Establishment	1	%	2.50	121641.82	2.50	135567.16
	Environmentally Sustainable Design	1	%	2.00	97313.46	2.00	108453.73
Total	Contingency	1	%	15.00	729850.94	15.00	813402.99
	Excluding Delivery				4,865,673		5,422,687
	Including Delivery				6,824,106		7,605,318

SR-01, SR-02, SR-03, SR-04, SR-05, SR-06, SR-07 (pavilion)

Appendix C							
Description:		Sporting Pavillions - 1					
Civil Component Number:	Item 40						
Group	Sub Item	Qty	Unit	Rate (P50)	Amount P(50)	Rate (P90)	Amount P(90)
Building	Site Preparation	721	m2	3.68	2,653.28	5.18	3,734.78
	Change Rooms With Toilets and Showers X 6	120	m2	2,408.05	288,966.00	2,445.18	293,421.60
	Umpire Change Rooms with Toilets	40	m2	2,519.24	100,769.60	2,594.83	103,793.20
	Storage Rooms	80	m2	2,414.15	193,132.00	2,406.11	192,488.80
	Multipurpose Room/ Social Room	100	m2	2,365.43	236,543.00	2,330.09	233,009.00
	Office/ First Aid Room	20	m2	2,351.62	47,032.40	2,360.28	47,205.60
	Canteen and Kitchen	20	m2	2,514.88	50,297.60	2,524.88	50,497.60
	Public Toilet	40	m2	1,238.63	49,545.20	1,585.83	63,433.20
Canopy & Veranda	Canopy & Veranda	80	m2	761.83	60,946.40	862.50	69,000.00
Site Works	Concrete Paths	0	m2	0.00	0.00	0.00	0.00
	Lighting	0	m2	0.00	0.00	0.00	0.00
	Gates/entrances	0	m2	0.00	0.00	0.00	0.00
	Other-Miscellaneous	0	M2	0.00	0.00	0.00	0.00
	Services	Stormwater	1	%	3.30	33,986.22	3.30
Sewer		1	%	2.03	20,906.68	2.03	21,448.65
Water		1	%	1.98	20,391.73	1.98	20,920.36
Gas		1	%	0.88	9,062.99	0.88	9,297.94
Fire Protection		1	%	0.66	6,797.24	0.66	6,973.45
Light & Power		1	%	2.38	24,511.27	2.38	25,146.69
Communication		1	%	0.50	5,149.43	0.50	5,282.92
Miscellaneous	Sub-standard site conditions	0	% of area	0.00	0.00	0.00	0.00
Delivery	Council Fees	1	%	3.25	37,397.46	3.25	38,366.93
	Authority Fees	1	%	1.00	11,506.91	1.00	11,805.21
	Traffic Management	1	%	2.00	23,013.82	2.00	23,610.42
	Environmental Management	1	%	0.50	5,753.46	0.50	5,902.61
	Survey/Design	1	%	5.00	57,534.55	5.00	59,026.05
	Supervision & Project Management	1	%	9.00	103,562.19	9.00	106,246.90
	Site Establishment	1	%	2.50	28,767.28	2.50	29,513.03
	Environronmentally Sustainable Design	1	%	2.00	23,013.82	2.00	23,610.42
	Contingency	1	%	15.00	172,603.66	15.00	177,078.16
Total	Excluding Delivery				1,150,691		1,180,521
	Including Delivery				1,613,844		1,655,681

SR-01, SR-02, SR-04, SR-06

Appendix C	
Description:	Item 43 - Sporting & Recreation Facilities (8-10 Ha)
Civil Component Number:	Item 43

Group	Sub Item	Qty	Unit	Rate (P50)	Amount P(50)	Rate (P90)	Amount P(90)
Playing Fields	Football Field	2	No	805074.24	1610148.48	860162.38	1720324.76
	Cricket Pitch	2	No	24049.94	48099.88	28173.45	56346.90
	Cricket Nets	1	No	49791.30	49791.30	57497.73	57497.73
	Soccer Field	0	No	526667.50	0.00	597198.85	0.00
	Netball Court	2	No	83143.13	166286.26	98076.30	196152.60
	Tennis Court	2	No	65422.94	130845.88	72602.00	145204.00
Lighting	Lighting Netball Court	2	No	22802.95	45605.90	24396.01	48792.02
	Lighting Tennis	2	No	21415.84	42831.68	24493.23	48986.46
	Lighting Soccer	0	No	73003.05	0.00	97409.90	0.00
	Lighting Football	2	No	163494.28	326988.56	201714.52	403429.04
Landscaping	Landscaping Construction	38000	m2	20.28	770640.00	26.19	995220.00
	Landscaping Establishment (12wk)	38000	m2	1.12	42560.00	1.29	49020.00
	Landscape maintenance-1 year/2 summers	38000	m2	2.90	110200.00	2.94	111720.00
Car Parking	Pavement	5465	m2	94.73	517699.45	109.24	596996.60
	Kerb and Channel	510	m	55.04	28070.40	60.11	30656.10
	Drainage Pipes	560	m	177.49	99394.40	192.51	107805.60
	Drainage Pits	28	No	2611.95	73134.60	2802.77	78477.56
	Car Park Lighting	4190	m2	15.13	63394.70	17.31	72528.90
	Linemarking/ Signage	5465	m2/pavement	3.26	17815.90	4.07	22242.55
Site Works	Site Preparation	100000	m2	3.68	368000.00	4.71	471000.00
	Footpaths and paved areas	875	m2	63.65	55693.75	71.96	62965.00
	Stormwater Drainage	1	Item	251068.39	251068.39	285507.93	285507.93
Services	Sewer	1	Item	52065.67	52065.67	62444.50	62444.50
	Water	1	Item	75629.58	75629.58	88426.00	88426.00
	Gas	1	Item	16727.49	16727.49	20125.23	20125.23
	Light & power	1	Item	231657.53	231657.53	286561.25	286561.25
	Communications	1	Item	46504.09	46504.09	65834.30	65834.30
	Fire	1	Item	25236.69	25236.69	27694.32	27694.32
Miscellaneous	Gates	2	Item	689.27	1378.54	740.17	1480.34
	Interchange shelter	10	Item	8443.47	84434.70	9944.59	99445.90
	Fencing	1300	m	91.87	119431.00	106.27	138151.00
	Signage	20	No	0.00	0.00	0.00	0.00
Irrigation	Irrigation Soccer	0	m	40441.04	0.00	43757.35	0.00
	Irrigation Football	2	Item	72462.96	144925.92	82052.35	164104.70
Other	Access Road	1980	m2	217.50	430650.00	225.71	446905.80
	Playground	1	m2	415857.14	415857.14	464304.86	464304.86
	Tree Planting	40	No	200.00	8000.00	230.00	9200.00
Delivery	Council Fees	1	%	3.25	210299.96	3.25	241655.44
	Authority Fees	1	%	0.00	0.00	0.00	0.00
	Traffic Management	1	%	2.00	129415.36	2.00	148711.04
	Environmental Management	1	%	0.50	32353.84	0.50	37177.76
	Survey/Design	1	%	5.00	323538.39	5.00	371777.60
	Supervision & Project Management	1	%	9.00	582369.11	9.00	669199.68
	Site Establishment	1	%	2.50	161769.20	2.50	185888.80
	Environmentally sustainable design	1	%	2.00	101418.39	2.00	148711.04
	Contingency	1	%	15.00	970615.18	15.00	1115332.79
Total	Excluding Delivery				6,470,768		7,435,552
	Including Delivery				9,010,544		10,354,006

SR-03

Appendix A	
Description:	SR-03 - Sporting and Recreational Facilities
Civil Component Number:	SR-03

Group	Sub Item	Qty	Unit	Rate (P50)	Amount P(50)	Rate (P90)	Amount P(90)
Playing Fields	Football Field	0	No	805074.24	0.00	860162.38	0.00
	Cricknet Pitch	0	No	24049.94	0.00	28173.45	0.00
	Cricknet Nets	0	No	49791.30	0.00	57497.73	0.00
	Soccer Field	3	No	526667.50	1580002.50	597198.85	1791596.55
	Netball Court	0	No	83143.13	0.00	98076.30	0.00
	Tennis Court	0	No	65422.94	0.00	72602.00	0.00
Lighting	Lighting Netball Court	0	No	22802.95	0.00	24396.01	0.00
	Lighting Tennis	0	No	21415.84	0.00	24493.23	0.00
	Lighting Soccer	3	No	73003.05	219009.15	97409.90	292229.70
	Lighting Football	0	No	163494.28	0.00	201714.52	0.00
Landscaping	Landscaping Construction	28000	m2	20.28	567840.00	26.19	733320.00
	Landscaping Establishment (12wk)	28000	m2	1.12	31360.00	1.29	36120.00
	Landscape maintenance-1 year/2 summers	28000	m2	2.90	81200.00	2.94	82320.00
Car Parking	Pavement	2740	m2	94.73	259560.20	109.24	299317.60
	Kerb and Channel	440	m	55.04	24217.60	60.11	26448.40
	Drainage Pipes	500	m	177.49	88745.00	192.51	96255.00
	Drainage Pits	22	No	2611.95	57462.90	2802.77	61660.94
	Car Park Lighting	2572	m2	15.13	38914.36	17.31	44521.32
	Linemarking/ Signage	2740	m2/pavement	3.26	8932.40	4.07	11151.80
Site Works	Site Preperation	60000	m2	3.68	220800.00	4.71	282600.00
	Footpaths and paved areas	750	m2	63.65	47737.50	71.96	53970.00
Services	Stormwater Drainage	1	Item	251068.39	251068.39	285507.93	285507.93
	Sewer	1	Item	52065.67	52065.67	62444.50	62444.50
	Water	1	Item	75629.58	75629.58	88426.00	88426.00
	Gas	1	Item	16727.49	16727.49	20125.23	20125.23
	Light & power	1	Item	231657.53	231657.53	286561.25	286561.25
	Communications	1	Item	46504.09	46504.09	65834.30	65834.30
	Fire	1	Item	25236.69	25236.69	27694.32	27694.32
Miscellaneous	Gates	1	Item	689.27	689.27	740.17	740.17
	Interchange shelter	10	Item	8443.47	84434.70	9944.59	99445.90
	Fencing	1000	m	91.87	91870.00	106.27	106270.00
	Signage	10	No	0.00	0.00	0.00	0.00
Irrigation	Irrigation Soccer	3	Item	40441.04	121323.12	43757.35	131272.05
	Irrigation Football	0	Item	72462.96	0.00	82052.35	0.00
Other	Access Road	1350	m2	217.50	293625.00	225.71	304708.50
	Playground	1	No	415857.14	415857.14	464304.86	464304.86
	Tree Planting	30	No	200.00	6000.00	230.00	6900.00
Delivery	Council Fees	1	%	3.25	160500.28	3.25	187256.76
	Authority Fees	1	%	0.00	0.00	0.00	0.00
	Traffic Management	1	%	2.00	98769.41	2.00	115234.93
	Environmental Management	1	%	0.50	24692.35	0.50	28808.73
	Survey/Design	1	%	5.00	246923.51	5.00	288087.32
	Supervision & Project Management	1	%	9.00	444462.33	9.00	518557.17
	Site Establishment	1	%	2.50	123461.76	2.50	144043.66
	Environmentally sustainable design	1	%	2.00	98769.41	2.00	115234.93
	Contingency	1	%	15.00	740770.54	15.00	864261.95
Total	Excluding Delivery				4,938,470		5,761,746
	Including Delivery				6,876,820		8,023,232

NOTE:

Benchmark Item 42 adopted as base. Items tweaked to accommodate PSP potential items.

Items not part of the ICP (however are potential components in the PSP);

1)Community Garden

SR-05

Appendix A							
Description: SR-05 - Sporting and Recreational Facilities							
Civil Component Number: SR-05							
Group	Sub Item	Qty	Unit	Rate (P50)	Amount P(50)	Rate (P90)	Amount P(90)
Playing Fields	Football Field	0	No	805074.24	0.00	860162.38	0.00
	Cricket Pitch	0	No	24049.94	0.00	28173.45	0.00
	Cricket Nets	0	No	49791.30	0.00	57497.73	0.00
	Lawn Balls	2	No	102300.00	204600.00	117645.00	235290.00
	Netball Court	8	No	83143.13	665145.04	98076.30	784610.40
	Tennis Court	6	No	65422.94	392537.64	72602.00	435612.00
Lighting	Lighting Netball Court	8	No	22802.95	182423.60	24396.01	195168.08
	Lighting Tennis	6	No	21415.84	128495.04	24493.23	146959.38
	Lighting Soccer	0	No	73003.05	0.00	97409.90	0.00
	Lighting Football	0	No	163494.28	0.00	201714.52	0.00
Landscaping	Landscaping Construction	38000	m2	20.28	770640.00	26.19	995220.00
	Landscaping Establishment (12wk)	38000	m2	1.12	42560.00	1.29	49020.00
	Landscape maintenance-1 year/2 summers	38000	m2	2.90	110200.00	2.94	111720.00
Car Parking	Pavement	5465	m2	94.73	517699.45	109.24	596996.60
	Kerb and Channel	510	m	55.04	28070.40	60.11	30656.10
	Drainage Pipes	560	m	177.49	99394.40	192.51	107805.60
	Drainage Pits	28	No	2611.95	73134.60	2802.77	78477.56
	Car Park Lighting	4190	m2	15.13	63394.70	17.31	72528.90
	Linemarking/ Signage	5465	m2/pavement	3.26	17815.90	4.07	22242.55
Site Works	Site Preparation	100000	m2	3.68	368000.00	4.71	471000.00
	Footpaths and paved areas	875	m2	63.65	55693.75	71.96	62965.00
Services	Stormwater Drainage	1	Item	251068.39	251068.39	285507.93	285507.93
	Sewer	1	Item	52065.67	52065.67	62444.50	62444.50
	Water	1	Item	75629.58	75629.58	88426.00	88426.00
	Gas	1	Item	16727.49	16727.49	20125.23	20125.23
	Light & power	1	Item	231657.53	231657.53	286561.25	286561.25
	Communications	1	Item	46504.09	46504.09	65834.30	65834.30
Miscellaneous	Fire	1	Item	25236.69	25236.69	27694.32	27694.32
	Gates	2	Item	689.27	1378.54	740.17	1480.34
	Interchange shelter	10	Item	8443.47	84434.70	9944.59	99445.90
	Fencing	1300	m	91.87	119431.00	106.27	138151.00
	Signage	20	No	0.00	0.00	0.00	0.00
	Irrigation Soccer	0	m	40441.04	0.00	43757.35	0.00
Irrigation	Irrigation Football	0	Item	72462.96	0.00	82052.35	0.00
	Access Road	1980	m2	217.50	430650.00	225.71	446905.80
Other	Playground	1	m2	415857.14	415857.14	464304.86	464304.86
	Tree Planting	40	No	200.00	8000.00	230.00	9200.00
Delivery	Council Fees	1	%	3.25	178049.47	3.25	207751.49
	Authority Fees	1	%	0.00	0.00	0.00	0.00
	Traffic Management	1	%	2.00	109568.91	2.00	127847.07
	Environmental Management	1	%	0.50	27392.23	0.50	31961.77
	Survey/Design	1	%	5.00	273922.27	5.00	319617.68
	Supervision & Project Management	1	%	9.00	493060.08	9.00	575311.82
	Site Establishment	1	%	2.50	136961.13	2.50	159808.84
	Environmentally sustainable design	1	%	2.00	109568.91	2.00	127847.07
	Contingency	1	%	15.00	821766.80	15.00	958853.04
Total	Excluding Delivery				5,478,445		6,392,354
	Including Delivery				7,628,735		8,901,352

NOTE:

Benchmark Item 43 adopted as base. Items tweaked to accommodate PSP potential items.

Items not part of the ICP (however are potential components in the PSP);

1) Skate Park

2) Community Garden

3) Indoor stadium

SR-07

Appendix C							
Description: Item 42 - Sporting and Recreational Facilities (5-6)Ha							
Civil Component Number: Item 42							
Group	Sub Item	Qty	Unit	Rate (P50)	Amount P(50)	Rate (P90)	Amount P(90)
Playing Fields	Football Field	1	No	805074.24	805074.24	860162.38	860162.38
	Cricket Pitch	1	No	24049.94	24049.94	28173.45	28173.45
	Cricket Nets	1	No	49791.30	49791.30	57497.73	57497.73
	Soccer Field	1	No	526667.50	526667.50	597198.85	597198.85
	Netball Court	2	No	83143.13	166286.26	98076.30	196152.60
	Tennis Court	0	No	65422.94	0.00	72602.00	0.00
Lighting	Lighting Netball Court	2	No	22802.95	45605.90	24396.01	48792.02
	Lighting Tennis	0	No	21415.84	0.00	24493.23	0.00
	Lighting Soccer	1	No	73003.05	73003.05	97409.90	97409.90
	Lighting Football	1	No	163494.28	163494.28	201714.52	201714.52
Landscaping	Landscaping Construction	28000	m2	20.28	567840.00	26.19	733320.00
	Landscaping Establishment (12wk)	28000	m2	1.12	31360.00	1.29	36120.00
	Landscaping maintenance-1 year/2 summers	28000	m2	2.90	81200.00	2.94	82320.00
Car Parking	Pavement	2740	m2	94.73	259560.20	109.24	299317.60
	Kerb and Channel	440	m	55.04	24217.60	60.11	26448.40
	Drainage Pipes	500	m	177.49	88745.00	192.51	96255.00
	Drainage Pits	22	No	2611.95	57462.90	2802.77	61660.94
	Car Park Lighting	2572	m2	15.13	38914.36	17.31	44521.32
	Linemarking/ Signage	2740	m2/pavement	3.26	8932.40	4.07	11151.80
	Site Preparation	60000	m2	3.68	220800.00	4.71	282600.00
Site Works	Footpaths and paved areas	750	m2	63.65	47737.50	71.96	53970.00
Services	Stormwater Drainage	1	Item	251068.39	251068.39	285507.93	285507.93
	Sewer	1	Item	52065.67	52065.67	62444.50	62444.50
	Water	1	Item	75629.58	75629.58	88426.00	88426.00
	Gas	1	Item	16727.49	16727.49	20125.23	20125.23
	Light & power	1	Item	231657.53	231657.53	286561.25	286561.25
	Communications	1	Item	46504.09	46504.09	65834.30	65834.30
	Fire	1	Item	25236.69	25236.69	27694.32	27694.32
Miscellaneous	Gates	1	Item	689.27	689.27	740.17	740.17
	Interchange shelter	10	Item	8443.47	84434.70	9944.59	99445.90
	Fencing	1000	m	91.87	91870.00	106.27	106270.00
	Signage	10	No	0.00	0.00	0.00	0.00
Irrigation	Irrigation Soccer	1	Item	40441.04	40441.04	43757.35	43757.35
	Irrigation Football	1	Item	72462.96	72462.96	82052.35	82052.35
Other	Access Road	1350	m2	217.50	293625.00	225.71	304708.50
	Playground	1	No	415857.14	415857.14	464304.86	464304.86
	Tree Planting	30	No	200.00	6000.00	230.00	6900.00
Delivery	Council Fees	1	%	3.25	162012.89	3.25	187185.67
	Authority Fees	1	%	0.00	0.00	0.00	0.00
	Traffic Management	1	%	2.00	99700.24	2.00	115191.18
	Environmental Management	1	%	0.50	24925.06	0.50	28797.80
	Survey/Design	1	%	5.00	249250.60	5.00	287977.96
	Supervision & Project Management	1	%	9.00	448651.08	9.00	518360.33
	Site Establishment	1	%	2.50	124625.30	2.50	143988.98
	Environmentally sustainable design	1	%	2.00	86839.01	2.00	115191.18
	Contingency	1	%	15.00	747751.80	15.00	863933.88
Total	Excluding Delivery				4,985,012		5,759,559
	Including Delivery				6,941,629		8,020,186

APPENDIX 5 COSTS INDEXED FOR THE 2021/22 FINANCIAL YEAR

The capital costs of all infrastructure items were estimated in 2017/18 dollars.

In relation to the costs of infrastructure items other than land, the estimates for 2021/22 financial year have been adjusted according to the following methods:

- **Roads and intersections** – in line with the Australian Bureau of Statistics Producer Price Indexes, Road and Bridge Construction Index, Victoria.
- **All other infrastructure items** – in line with the Australian Bureau of Statistics Producer Price Indexes, Non-residential Building Construction Index, Victoria.

Table 19 Original capital costs from 2017/18 indexed for the 2021/22 financial year

PROJECT	PROJECT TYPE	ESTIMATED PROJECT COST IN 2017/18 DOLLARS: CONSTRUCTION	ESTIMATED PROJECT COST IN 2021/22 DOLLARS: CONSTRUCTION
ROAD PROJECTS			
Cameron Street arterial road (Eastern edge of the Sydney–Melbourne railway overpass to Patterson Drive) Construction of a secondary arterial road (2 lane carriageway), excluding intersections (interim treatment).	Transport	\$5,167,354	\$5,634,326
Gunns Gully Road arterial road (200 metres from the eastern edge of the Sydney–Melbourne railway overpass to the constructed waterway west of the OMR/E6 reservation) Construction of a primary arterial road (2 lane carriageway), excluding intersections (interim treatment).	Transport	\$11,214,305	\$12,227,738
Patterson Drive arterial road (Donnybrook Road to Merri Creek) Construction of a secondary arterial road (2 lane carriageway), excluding intersections (interim treatment).	Transport	\$10,051,864	\$10,960,248
Patterson Drive arterial road (Merri Creek to OMR/E6 reservation) Construction of a secondary arterial road (2 lane carriageway), excluding intersections (interim treatment).	Transport	\$4,213,339	\$4,594,097
Koukoura Drive arterial road (Donnybrook Road to Gunns Gully Road) Construction of a secondary arterial road (2 lane carriageway), excluding intersections (interim treatment).	Transport	\$10,257,851	\$11,184,850
SUB-TOTAL ROAD PROJECTS		\$40,904,713	\$44,601,259

PROJECT	PROJECT TYPE	ESTIMATED PROJECT COST IN 2017/18 DOLLARS: CONSTRUCTION	ESTIMATED PROJECT COST IN 2021/22 DOLLARS: CONSTRUCTION
PEDESTRIAN PROJECTS			
Signalised pedestrian crossing Crossing Patterson Drive between Donnybrook Road and Hayes Hill Boulevard associated with the key local access street connecting Donnybrook Station to the non-government P-12 school campus and SR-02.	Transport	\$276,614	\$301,612
Signalised pedestrian crossing Crossing Gunns Gully Road between Koukoura Drive and Patterson Drive associated with the shared path along the gas pipeline easement.	Transport	\$276,614	\$301,612
Signalised pedestrian crossing Crossing Donnybrook Road between Koukoura Drive and Patterson Drive associated with the shared path along the gas pipeline easement connecting south to Northern Quarries PSP.	Transport	\$276,614	\$301,612
SUB-TOTAL PEDESTRIAN PROJECTS		\$829,842	\$904,836
INTERSECTION PROJECTS			
Intersection: Donnybrook Road & Hayes Hill Boulevard/Langley Park Drive (north-south boulevard connector) Construction of a primary arterial to connector road 3-way intersection (interim treatment).	Transport	\$6,166,658	\$6,723,937
Intersection: Donnybrook Road & connector street (north-south connector) Construction of a primary arterial to connector road 3-way intersection (interim treatment). The construction cost of the intersection cannot be wholly funded from the standard levy because of the physical conditions of the land, being that service relocation incorporates a significant cost.	Transport	\$6,207,629	\$6,768,611
Intersection: Donnybrook Road & Koukoura Drive Construction of a primary arterial to a secondary arterial road 3-way intersection (interim treatment).	Transport	\$6,235,183	\$6,798,655
Intersection: Donnybrook Road & connector street (north-south connector) Construction of a primary arterial to connector road 3-way intersection (interim treatment).	Transport	\$4,636,103	\$5,055,066
Intersection: Hayes Hill Boulevard & Patterson Drive Construction of a secondary arterial to boulevard connector road 4-way intersection (interim treatment).	Transport	\$4,016,280	\$4,379,230
Intersection: Hayes Hill Boulevard & Koukoura Drive Construction of a secondary arterial to boulevard connector road 4-way intersection (interim treatment).	Transport	\$3,392,654	\$3,699,247
Intersection: Hayes Hill Boulevard & Merriang Road Construction of a connector boulevard to secondary arterial 3-way intersection (interim treatment).	Transport	\$3,328,529	\$3,629,327
Intersection: Cameron Street / connector street (north-south connector) Construction of an arterial to connector road 4-way intersection (interim treatment).	Transport	\$4,435,409	\$4,836,236
Intersection: Cameron Street (arterial west/boulevard connector east) & Patterson Drive (arterial) Construction of secondary arterial to a secondary arterial road 4-way intersection (interim treatment)	Transport	\$6,764,423	\$7,375,722
Intersection: Cameron Street & Koukoura Drive Construction of a secondary arterial to secondary arterial 4-way intersection (interim treatment).	Transport	\$4,789,939	\$5,222,804
Intersection: Cameron Street / Merriang Road Construction of a connector to secondary arterial road 3-way intersection (interim treatment)	Transport	\$3,587,776	\$3,912,002

PROJECT	PROJECT TYPE	ESTIMATED PROJECT COST IN 2017/18 DOLLARS: CONSTRUCTION	ESTIMATED PROJECT COST IN 2021/22 DOLLARS: CONSTRUCTION
Intersection: Gunns Gully Road & Connector St (north–south connector) Construction of primary arterial to connector road 3-way intersection (interim treatment)	Transport	\$5,354,261	\$5,838,124
Intersection: Gunns Gully Road & Koukoura Drive Construction of a primary arterial to a secondary arterial road 4-way intersection (connector road north of Gunns Gully Road) (interim treatment)	Transport	\$6,634,169	\$7,233,697
Intersection: Patterson Drive / connector street (east–west connector) Construction of secondary arterial to connector road 3-way intersection (interim treatment)	Transport	\$3,649,621	\$3,979,436
Intersection: Patterson Drive / connector street (east–west connector) Construction of secondary arterial to connector road 3-way intersection (interim treatment)	Transport	\$3,921,165	\$4,275,519
SUB-TOTAL INTERSECTION PROJECTS		\$73,119,799	\$79,727,613
SUPPLEMENTARY			
Intersection: Donnybrook Road & Patterson Drive Construction of a primary arterial to secondary arterial road 4-way intersection (interim treatment). The construction cost of the intersection cannot be wholly funded from the standard levy because of the physical conditions of the land, being that service relocation incorporates a significant cost.	Transport	\$7,527,185	\$8,207,414
Intersection: Gunns Gully Road & Patterson Drive Construction of primary arterial to a secondary arterial road 4-way intersection (interim treatment)	Transport	\$8,995,746	\$9,808,689
Bridge: Cameron Street Construction of a 2 lane interim road bridge spanning Merri Creek and Sydney–Melbourne Railway.	Transport	\$22,884,284	\$24,952,330
Culvert: Patterson Drive Construction of a 2 lane interim culvert crossing of constructed waterway.	Transport	\$988,288	\$1,077,599
Culvert/bridge: Hayes Hill Boulevard Construction of a Growling Grass Frog habitat suitable culvert/bridge crossing of Darebin Creek – 2 lane culvert crossing.	Transport	\$3,817,947	\$4,162,974
Culvert/bridge: Cameron Street Construction of a Growling Grass Frog habitat suitable culvert/bridge crossing of Darebin Creek – 2 lane culvert crossing.	Transport	\$3,367,995	\$3,672,360
Bridge: Patterson Drive Construction of a 2 lane interim bridge crossing of Merri Creek (shared development agency responsibility (City of Whittlesea/ Shire of Mitchell)).	Transport	\$8,035,846	\$8,762,043
SUB-TOTAL SUPPLEMENTARY LEVY		\$55,617,291	\$60,643,409
TOTAL TRANSPORT CONSTRUCTION		\$170,471,645	\$185,877,115

PROJECT	PROJECT TYPE	ESTIMATED PROJECT COST IN 2017/18 DOLLARS: CONSTRUCTION	ESTIMATED PROJECT COST IN 2021/22 DOLLARS: CONSTRUCTION
COMMUNITY FACILITIES			
Donnybrook Farmhouse Community Centre Construction of a Level 2 Community Activity Centre at LCC-1.	Community building	\$8,927,424	\$9,501,092
Patterson Drive Community Centre Construction of a Level 2 Community Activity Centre at LTC-2.	Community building	\$8,927,424	\$9,501,092
Darebin Creek Community Centre Construction of a Level 2 Community Activity Centre at LTC-4.	Community building	\$8,927,424	\$9,501,092
Koukoura Drive Community Centre (with library) Construction of a Level 3 Community Activity Centre, Family Resource Centre and Branch Library at LTC-1.	Community building	\$11,829,288	\$12,589,427
Lockerbie East Community Centre Construction of a Level 2 Community Activity Centre at LTC-3.	Community building	\$8,927,424	\$9,501,092
Woodlands Community Centre Construction of a Level 1 Community Activity Centre at LCC-4.	Community building	\$7,605,318	\$8,094,028
Merristock Community Centre Construction of a Level 1 Community Activity Centre at LCC-5.	Community building	\$7,605,318	\$8,094,028
SUB-TOTAL COMMUNITY FACILITIES		\$62,749,620	\$66,781,850
OPEN SPACE			
Donnybrook Farmhouse Sports Reserve Construction of sports fields (soccer and tennis) and construction of a multipurpose pavilion (located on Hayes Hill Boulevard near LCC-1)	Community building	\$10,354,006	\$11,019,344
Patterson Drive Sports Reserve Construction of sports fields (AFL/cricket and netball) and construction of a multipurpose pavilion (located near LTC-2)	Community building	\$10,354,006	\$11,019,344
Darebin Creek Sports Reserve Construction of sports fields (soccer) and construction of a multipurpose pavilion (located near LTC-4)	Community building	\$8,023,232	\$8,538,797
Lockerbie East Sports Reserve Construction of sports fields (AFL/cricket and netball) and construction of a multipurpose pavilion (located near LTC-3)	Community building	\$10,354,006	\$11,019,344
Koukoura Drive Sports Reserve Construction of sports fields (tennis, netball and lawn bowls) and construction of a multipurpose pavilion (located near LTC-1)	Community building	\$8,901,352	\$9,473,344
Woodlands Sports Reserve Construction of sports fields (soccer) and construction of a multipurpose pavilion (located near LCC-4)	Community building	\$10,354,006	\$11,019,344
Merristock Sports Reserve Construction of sports fields (AFL) and construction of a multipurpose pavilion (located near LCC-5)	Community building	\$8,020,186	\$8,535,555
SUB-TOTAL OPEN SPACE		\$66,360,794	\$70,625,074
TOTAL COMMUNITY & RECREATION CONSTRUCTION		\$129,110,414	\$137,406,924
TOTALS		\$299,582,059	\$323,284,039

Donnybrook–Woodstock Infrastructure Contributions Plan
July 2020 (Amended March 2022)

