

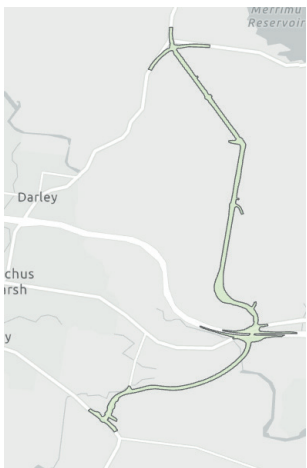
Bacchus Marsh Eastern Link Road

Options Assessment Summary

This assessment was:

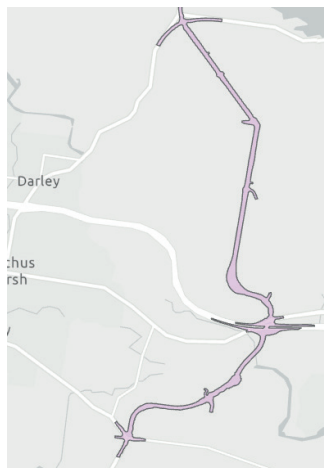
- undertaken using quantitative, objective methods, wherever possible. Where such information was not available a qualitative assessment was made.
- undertaken based on a concept-level design footprint and does not necessarily represent the extent of the public acquisition overlay footprint (to be determined after further detailed assessment).

(All figures are approximate)



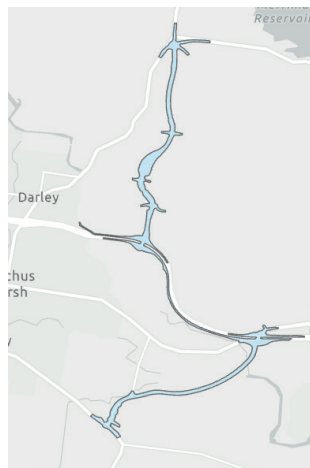
Option A

Eastern Alignment with base of escarpment



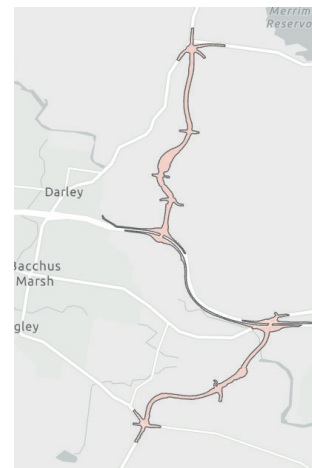
Option A Alternative

Eastern Alignment with top of escarpment



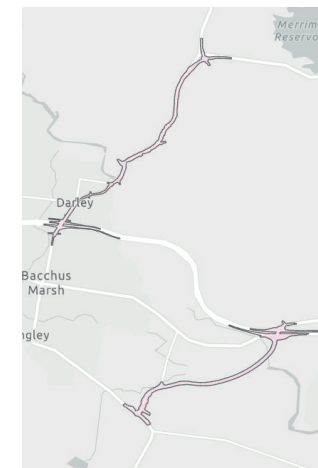
Option B

Central Alignment with base of escarpment



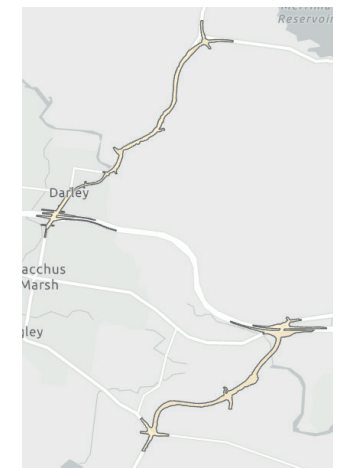
Option B Alternative

Central Alignment with top of escarpment



Option C

Gisborne Road Upgrade with base of escarpment



Option C Alternative

Gisborne Road Upgrade with top of escarpment

Assessment Criteria	Option A	Option A Alternative	Option B	Option B Alternative	Option C	Option C Alternative
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Traffic volumes

Vehicles Per Day – Change from Year 2041 Volumes

Gisborne Rd north of Western Freeway (Darley): Year 2041 vehicles per day= 23,240	-1,800 vehicles -7.7%	-1900 vehicles -8.2%	-2,080 vehicles -8.9%	-1,330 vehicles -5.7%	+21,820 vehicles +93.9%	+22,430 vehicles +96.5%
Gisborne Rd north of Main St: Year 2041 vehicles per day= 23,390	-920 vehicles -3.9%	-1350 vehicles -5.8%	- 1220 vehicles -5.2%	-1290 vehicles -5.5%	+1370 vehicles +5.9%	+1090 vehicles +4.7%
Grant St south of Main St: Year 2041 vehicles per day= 23,670	+710 vehicles +3%	-3080 vehicles -13.0%	+550 vehicles +2.3%	-2820 vehicles -11.9%	-90 vehicles -0.4%	-2750 vehicles -11.6%

Truck volumes

Trucks Per Day – Change from Year 2041 Volumes

Gisborne Rd north of Western Freeway (Darley): Year 2041 trucks per day =4,410	-860 trucks -19.5%	-950 trucks -21.5%	- 1,320 trucks -29.9%	-1350 trucks -30.6%	+2,820 trucks +63.9%	+2850 trucks +64.6%
Gisborne Rd north of Main St: Year 2041 trucks per day =3,490	-590 trucks -16.9%	-690 trucks -19.8%	-580 trucks -16.6%	-770 trucks -22.1%	-140 trucks -4.0%	-520 trucks -14.9%
Grant St south of Main St: Year 2041 trucks per day =2,630	-630 trucks -23.9%	- 710 trucks -27.0%	-505 trucks -19.2%	-750 trucks -28.5%	-310 trucks -11.7%	-590 trucks -22.5%

Assessment Criteria	Option A	Option A Alternative	Option B	Option B Alternative	Option C	Option C Alternative
Land impacts						
Total Land acquisition excluding existing road reserves (ha) (property)	89.4	92.1	92.0	94.6	42.9	45.5
Total Bacchus Marsh Irrigation District land impacted excluding road reserves (ha)	36	37	45	47	25	26
Bacchus Marsh Irrigation District land impacted (within irrigated area) (ha)	19	9	34	25	19	9
Bacchus Marsh Irrigation District land impacted outside irrigated area (ha)	17	28	11	22	6	17
Total number of lots directly impacted by alignment corridor	49	48	56	55	62	61
Total number of lots with moderate/major impact (>10% of property within alignment corridor)	27	27	34	34	28	28

Assessment Criteria		Option A	Option A Alternative	Option B	Option B Alternative	Option C	Option C Alternative
Environmental impacts							
Total extent of native vegetation to be cleared per alignment (ha)		12.0	10.0	11.9	9.9	13.1	11.2
Total threatened ecological vegetation communities within alignment corridor (Ecological Vegetation Class - EVC) (ha)		10.2	8.4	10.8	8.9	12.2	10.4
Number of large native trees* to be removed within alignment corridor	Total	64	51	50	37	49	36
	River Red Gum	44	32	48	36	44	32
Matters of National Environmental Significance (MNES -Environment Protection and Biodiversity Conservation Act (EPBC Act)) (ha)	Golden Sun Moth (ha)	3.0	3.0	10.7	10.7	0.1	0.1
	Natural Temperate Grasslands of the Victorian Volcanic Plain (ha)	1.3	3.0	0.2	1.0	0.1	1.0
Total Flora and Fauna (FFG) Act threatened communities (Victorian Temperate Woodland Bird, Western (Basalt) Plains Grassland, Rocky Chenopod Open Scrub) (ha)		10.3	8.4	10.8	8.8	12.3	10.3

* Large Tree definition is as per the Guidelines for the removal, destruction or lopping of native vegetation (DELWP 2017).

Assessment Criteria	Option A	Option A Alternative	Option B	Option B Alternative	Option C	Option C Alternative
Heritage						
% of alignment within an area of Aboriginal sensitivity	6.7%	4.4%	12.9%	10.1%	7.1%	5.1%
Potential impact on State Heritage sites**	1	1	1	1	1	1
Potential impact on Local Heritage sites	1	1	1	1	2	2

** Impact on Victorian Heritage Inventory (VHI) Site H7722-0024 Symington Brewery and HO 147 (Symington House and Symington's Brewery Industrial Archaeological Site)

Find out more

For more information about this project, visit our website regionalroads.vic.gov.au and search for 'Bacchus Marsh Eastern Link Road'.

Call: 133 RRV (133 778)

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