

**CITY OF MARION
GENERAL COUNCIL MEETING
9 May 2017**

Originating Officers: Mathew Allen, Manager Engineering and Field Services
Mark Griffin, Unit Manager Engineering

General Manager: Tony Lines, General Manager Operations

Subject: Streetscape Project – Program of Works

Report Reference: GC090517R09

REPORT OBJECTIVES

The purpose of this report is to provide Council with a Program of Works identifying streetscape project locations, indicative costs, timelines, and resource requirements based on the Streetscape Design Guidelines. Streetscape projects will also be listed in the 2017/18 Annual Business Plan and annually thereafter, as per other capital works programs/projects.

RECOMMENDATIONS

DUE DATES

That Council:

- | | |
|---|------------|
| 1. Notes the report. | 9 May 2017 |
| 2. Endorses Option X for the Program of Works. | 9 May 2017 |
| 3. Notes annual streetscape projects will be presented in the Annual Business Plan. | 9 May 2017 |

DISCUSSION

The Streetscape Project is a priority for Council and is included in the Draft Business Plan 2016-2019: 'Deliver a Policy and Program to enhance streetscapes across the City'. A total of 88 individual and grouped roads/streets with potential for improvement within the City of Marion road hierarchy have been identified by Elected Members and staff in a Streetscape Priority Matrix (refer to **Appendix 1**) that informs the Program of Works.

The 28 February 2017 General Council meeting (GC280217R12) resolved: *"To distribute resources of street-scaping to more streets throughout the City of Marion and the Streetscape 5-year program of works be deferred to the General Council meeting of 9 May 2017 to permit consideration of an Elected Member forum of more frugal treatments of the listed streets."*

At the Elected Member Forum on 18 April 2017 project alternatives were considered that reduced the unit rate and hence the overall estimated cost. These costs are reflected in the 5 year program of works allowing streetscape upgrade on more streets. In addition, a number of options were discussed to deliver the streetscape program of works, namely:

- Option 1 – Delivers the streetscape projects in order of the priority matrix (**Appendix 2**)
- Option 2 – Delivers the streetscape projects in the priority matrix but allocates the projects evenly across the wards (**Appendix 3**)
- Option 3 – Balances the objectives of Option 1 and Option 2 (**Appendix 4**)
- Option 4 – Delivers the projects in order of the priority matrix but excludes arterial roads (**Appendix 5**).

Alawoona Avenue

Streetscape design works have commenced for Alawoona Avenue, Mitchell Park. Council was recently advised that many properties along Alawoona Avenue are owned by Renewal SA, and are likely to be redeveloped at some point in the future. Renewal SA has advised that many properties at the eastern end of Alawoona Avenue are leased by Junction Australia, and may be redeveloped in the next 3-5 years. Administration will be meeting with Renewal SA and Junction Australia in May 2017 to discuss possible plans.

It is recommended that the design and construction of Alawoona Avenue continue as scheduled. In that circumstance Administration would:

- Liaise closely with Renewal SA and Junction Australia to coordinate infrastructure, including the location of street trees, WSUD, property access and services
- Put in place normal arrangements for the protection of infrastructure to remedy any damage as a result of the development.

Staff are also working with Renewal SA to develop mutual solutions and funding arrangements for the entrance to Tonsley between Bradley Grove and the railway line.

Tree-scaping

An allocation of \$200,000 for street tree planting will provide an additional 400 trees (approximately 4 km of road planting at \$500 per tree 2-3m tall depending on species). Streets will be identified evenly across the City of Marion in consultation with Ward Elected Members.

Tree-scaping locations will be developed based on community benefit (including road hierarchy) and existing amenity. These streets may or may not be on the list of streetscaping projects. Tree selections will be made to try and maximise improvements to tree canopies.

Funding

Streetscape projects will be listed in accordance with the Streetscape Program of Works in the 2017/18 Annual Business Plan and updated annually thereafter, as per other capital works programs/projects. The funding required to design and deliver the Streetscape Program of Works will be in the order of \$1.8 million per annum and may vary from year to year. Opportunities for external funding will be explored on a project by project basis.

Resources

The development and implementation to deliver streetscape projects will require preparation of project briefs, administration of contracts, review designs and supervision of works. There is capacity within existing resources to undertake these activities. The monitoring of project delivery and budgets will be incorporated into existing reporting systems through Capital Works Reports and Quarterly Budget Reviews.

It is intended the design will be undertaken by either a consultant or internally and the upgrade works will be carried out by a contractor.

The plan to deliver the Program of Works will be to undertake concepts, design and community consultation in the first year followed by construction in the second year. This will deliver a rolling program of works.

CONCLUSION

The City of Marion Streetscape Project has progressed to apply the adopted criteria in the Priority Scoring System to the identified list of potential streets across the City. A number of options for the Program of Works have been prepared for Council's consideration, integrating the Streetscape Design Guidelines, list of projects, timing, funding and resource requirements.



STREETSCAPE PRIORITY MATRIX

Number	PROJECT	Ward	Community Impact	Amenity & Identity	Funding Potential	Cost Implications	Accessibility	Economic/ Cultural/ Heritage	Total Points 25
			0 - No change 1 - Minor 3 - Some 5 - Moderate 7 - High Impact 9 - High Impact, vehs + peds 10 - Extensive + multiple outcomes	0 - No change 1 - Minor 2 - Some 3 - Moderate 4 - High 5 - Extensive	0 - Not at all 1 - Application 2 - Potential 3 - Yes 50/50 (or more)	0 - Not at all 1 - In part 2 - Yes 3 - Multiple budget opportunities	0 - Unlikely 1 - Improve safety 2 - Safety + disability access	0 - None 1 - Either 1 or 2 elements 2 - All elements	
			0 - 10	0 - 5	0 - 3	0 - 3	0 - 2	0 - 2	
			How many people are likely to experience increased level of amenity, including local residents and those travelling through the proposed streetscape area?	Will the streetscape greatly improve the current amenity of street?	Will the proposal be eligible for external funding?	Is there an opportunity for the proposed streetscape to be carried out in conjunction with necessary, or otherwise budgeted works?	Will the proposal simultaneously solve a safety, traffic or accessibility issue?	Does the proposal have economic, cultural or heritage significance?	PRIORITY SCORE
1	Alawoona Avenue, Mitchell Park	Warriraringa	9	5	2	2	2	1	21
2	Finniss Street (Marion Village), Marion	Warriraringa	10	5	1	2	2	1	21
3	Tonsley Greenway, Michell Park	Warriraringa	9	5	3	2	1	1	21
4	Warracowie Way, Oaklands Park	Warracowie	10	5	2	1	2	1	21
5	Ramrod Avenue, Hallett Cove	Coastal	10	5	0	2	2	1	20
6	Heron Way, Hallett Cove	Coastal	9	5	3	1	0	1	19
7	Birch Street, Clovelly Park	Warriraringa	7	5	2	2	1	1	18
8	Diagonal Road, adjacent to shopping centre, Oaklands Park	Warracowie	10	4	1	0	1	2	18
9	Railway Terrace, Greenway (rail corridor), Edwardstown	Woodlands	9	4	2	1	1	1	18
10	The Esplanade, Marino	Coastal	7	5	1	2	0	1	16
11	Marion Road, Cross Rd to Sturt Rd, Plympton Park/South Plympton/Park Holme/Ascot Park/Marion/Mitchell Park	Warriraringa	10	4	1	0	0	1	16
12	Winifred Avenue, South Plympton	Woodlands	9	3	0	1	1	1	15
13	Perry Barr Road, Lonsdale to Kanowna, Hallett Cove	Coastal	7	4	1	1	1	1	15
14	Bray Street, Morphettville	Mullawirra	7	3	1	1	1	2	15
15	Daws Road, Ascot Park	Woodlands	10	3	0	0	0	2	15
16	Oaklands Road, Park Holme	Mullawirra	10	3	0	0	0	2	15
17	Folkestone Road, Dover Gardens	Warracowie	7	3	1	1	1	1	14
18	Lindsay Avenue, Edwardstown	Woodlands	7	4	1	0	1	1	14
19	Newland Ave/Sherlock Rd, Marino	Coastal	7	3	1	1	1	1	14
20	Raglan Avenue, Edwardstown	Woodlands	7	3	1	1	1	1	14
21	Hendrie Street, Park Holme	Mullawirra	7	3	0	2	1	1	14
22	Morphett Road, Oaklands Crossing to Sturt Road, Dover Gardens/Oaklands Park	Warracowie	10	3	0	0	0	1	14
23	Seacombe Road, Darlington/Dover Gardens	Warriraringa	10	3	0	0	0	1	14
24	South Road, Glandore/Edwardstown	Woodlands	10	3	0	0	0	1	14
25	Sturt Road, Clovelly Pk / Warradale	Warriraringa	10	3	0	0	0	1	14
26	Trott Grove, Oaklands Park	Warracowie	7	4	0	1	0	1	13
27	Scholefield Road, Marino	Coastal	7	3	1	1	0	1	13
28	Addison Road, Warradale	Warracowie	5	2	2	1	1	1	12
29	Aldridge Avenue, Plympton Park	Mullawirra	5	3	1	1	1	1	12
30	Chitral Terrace, South Plympton	Woodlands	7	2	0	1	1	1	12
31	Duncan Avenue, Park Holme	Mullawirra	5	3	0	1	2	1	12
32	Jervois Terrace, Marino	Coastal	7	3	0	1	0	1	12
33	Morphett Road, south of Seacombe Rd, Seaview Downs/Seacliff Park	Southern Hills	7	4	0	1	0	0	12
34	Ocean Boulevard, Seacliff Park	Coastal	9	3	0	0	0	0	12
35	Park Terrace, Plympton Park	Mullawirra	5	4	1	1	0	1	12
36	Patpa Drive, Sheidow Park	Southern Hills	7	4	0	0	0	1	12



STREETSCAPE PRIORITY MATRIX												
Number	PROJECT	Ward	Community Impact	Amenity & Identity	Funding Potential	Cost Implications	Accessibility	Economic/ Cultural/ Heritage	Total Points			
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			How many people are likely to experience increased level of amenity, including local residents and those travelling through the proposed streetscape area?	Will the streetscape greatly improve the current amenity of street?	Will the proposal be eligible for external funding?	Is there an opportunity for the proposed streetscape to be carried out in conjunction with necessary, or otherwise budgeted works?	Will the proposal simultaneously solve a safety, traffic or accessibility issue?	Does the proposal have economic, cultural or heritage significance?	PRIORITY SCORE			
37	Robert Street, Edwardstown	Woodlands	7	3	0	1	0	1	12			
38	Towers Terrace, Edwardstown	Woodlands	7	3	0	1	0	1	12			
39	Diagonal Road, Seacombe to Sturt, Seacombe Gardens/Sturt	Warriraringa	9	2	0	0	0	1	12			
40	Davenport Terrace, Seaview Downs	Southern Hills	5	3	1	1	0	1	11			
41	Dunrobin Road, Warradale	Warracowie	5	3	0	1	1	1	11			
42	Glamis Avenue, Seacombe Gardens	Warracowie	5	3	0	1	1	1	11			
43	Jervois Street, South Plympton	Woodlands	5	3	1	1	0	1	11			
44	Lonsdale Road, Hallett Cove	Coastal	7	3	0	0	0	1	11			
45	Miller Street, Seacombe Gardens	Warriraringa	7	2	0	1	0	1	11			
46	Murray Road, Oaklands Park	Warracowie	5	3	1	1	0	1	11			
47	Quick Avenue, Mitchell Park	Warriraringa	5	3	1	1	0	1	11			
48	Township Road, Marion	Warriraringa	5	3	1	1	0	1	11			
49	Beadnall Terrace, Glengowrie	Mullawirra	5	3	1	1	0	1	11			
50	Oval Road, Hallett Cove	Southern Hills	7	2	1	0	0	1	11			
51	Charles Street, Ascot Park	Woodlands	5	3	0	1	0	1	10			
52	Clacton Avenue, Dover Gardens	Warriraringa	5	3	0	1	0	1	10			
53	De Laine Avenue, Edwardstown	Woodlands	5	2	0	1	1	1	10			
54	Dwyer Road/George Street, Oaklands Pk	Warracowie	5	3	0	1	0	1	10			
55	Lander Road, Sheidow Park	Southern Hills	7	2	0	1	0	0	10			
56	Majors Road, O'Halloran Hill	Southern Hills	7	3	0	0	0	0	10			
57	Waterhouse Road, South Plympton	Woodlands	5	3	0	1	0	1	10			
58	Young Street, Sheidow Park	Southern Hills	5	2	0	1	1	1	10			
59	Celtic Avenue, Clovelly Park	Warriraringa	5	2	0	1	0	1	9			
60	Heysen Drive, Trott Park	Southern Hills	7	2	0	0	0	0	9			
61	Sixth Avenue, Ascot Park	Woodlands	5	2	0	1	0	1	9			
62	Struan Avenue, Warradale	Warracowie	5	3	0	1	0	0	9			
63	Travers Street, Sturt	Warriraringa	5	3	0	1	0	0	9			
64	Quailo Avenue / Barramundi Drive, Hallett Cove	Coastal	5	2	0	1	0	1	9			
65	Appleby Rd/Barham Ave/Carlisle Ave/Nunyah Ave	Mullawirra	5	3	1	0	0	0	9			
66	Bradley Grove, Mitchell Park	Warriraringa	3	2	0	1	1	1	8			
67	Dunorlan Road, Edwardstown	Woodlands	3	2	0	1	1	1	8			
68	Hessing Crescent, Trott Park	Southern Hills	5	3	0	0	0	0	8			
69	Marine Parade, Marino	Coastal	5	3	0	0	0	0	8			
70	Marine Avenue, Hallett Cove	Coastal	5	3	0	0	0	0	8			
71	Minchinbury Terrace, Marion	Warracowie	3	2	1	1	0	1	8			
72	Gorda Place/Harbour Grove/Rider St/ Sutton Ave/Syme Ave , Seacombe Gardens	Warracowie	5	2	0	1	0	0	8			
73	The Cove Road, Marino / Hallett Cove	Coastal	5	2	0	1	0	0	8			



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			How many people are likely to experience increased level of amenity, including local residents and those travelling through the proposed streetscape area?	Will the streetscape greatly improve the current amenity of street?	Will the proposal be eligible for external funding?	Is there an opportunity for the proposed streetscape to be carried out in conjunction with necessary, or otherwise budgeted works?	Will the proposal simultaneously solve a safety, traffic or accessibility issue?	Does the proposal have economic, cultural or heritage significance?	PRIORITY SCORE			
74	Weaver Street, Edwardstown	Woodlands	5	2	0	1	0	0	8			
75	Wheaton Street, South Plympton	Woodlands	5	2	0	1	0	0	8			
76	Calum Grove, Seacombe Heights	Warriparinga	5	2	0	0	0	1	8			
77	Adams Road, Sheidow Park	Southern Hills	3	2	0	1	1	0	7			
78	Angus Avenue, Edwardstown	Woodlands	3	2	0	1	0	1	7			
79	Cliff Street, Glengowrie	Mullawirra	3	2	0	1	1	0	7			
80	Cormorant Drive, Hallett Cove	Coastal	3	2	0	1	1	0	7			
81	Dutchman Drive, Hallett Cove	Coastal	3	2	0	1	0	1	7			
82	Crown St/Vinall St/Laurence St/ Winchester St, Dover Gardens	Warracowie	3	3	0	1	0	0	7			
83	Crozier Terrace, Oaklands Park	Warracowie	3	1	0	1	0	1	6			
84	Dalkeith Avenue, Dover Gardens	Warracowie	3	2	0	1	0	0	6			
85	Thirza Ave/David Ave/ Richard Ave/Daisy Ave, Mitchell Park	Warriparinga	3	2	0	1	0	0	6			
86	Angas Crescent, Marino	Coastal	3	2	0	1	0	0	6			
87	Blacksmith Crescent, Sheidow Park	Southern Hills	1	2	0	1	0	1	5			
88	Trowbridge Avenue, Mitchell Park	Warriparinga	3	2	0	0	0	0	5			

Option 1 - Possible Program As per Priority Matrix

Road	Ward	Treatment Option	Estimated Cost (\$)	Year
Alawoona Avenue	Warriparinga	3	1,100,000	1
Finniss Street	Warriparinga	2 + indented parking	600,000	2
Heron Way		Project Committed Designed In-House	200,000	
Tonsley Greenway	Warriparinga	Landscaping/WSUD only to complement the Walking & Cycling Strategy	750,000	
Warracowie Way	Warracowie	1 + shared space	500,000	3
Birch Crescent	Warriparinga	2	900,000	
Diagonal Road (adjacent to shopping centre)	Warracowie	3 (if possible) Possibly Landscaping only	500,000	
Railway Terrace Greenway	Woodlands	Landscaping/WSUD/Station treatments only. Complement the Walking & Cycling Strategy	700,000	4
The Esplanade	Coastal	Designed and to be implemented this year (in-conjunction with CoHB)	Funded 2016/17	
Marion Road	Mullawirra/Woodlands/Warriparinga	3 (if possible) Possibly Landscaping/WSUD	1,200,000	4
Winifred Avenue	Mullawirra & Woodlands	3	750,000	5
Perry Barr Road	Coastal	3 (with separated bike lanes at the eastern end)	900,000	
Bray Street	Mullawirra	3	1,000,000	6
Daws Road	Woodlands & Warriparinga	3 (if possible) Possibly only footpaths, trees and vegetation	800,000	
Oaklands Road	Mullawirra & Warracowie	3 (if possible)	1,100,000	7

Note: Estimated cost are indicative only

Option 2 - Possible Program

Filters the project across the Wards

No	Road	Ward	Treatment Option	Estimated Cost (\$)	Year
1	Alawoona Avenue (1)	Warriparinga	3	1,100,000	1
2	Warracowie Way (4)	Warracowie	1 + shared space	500,000	
3	Heron Way (6)	Coastal	Project committed	200,000	
4	Railway Terrace – Greenway (9)	Woodlands	Landscaping/WSUD/Station treatments only Complement the Walking & Cycling Strategy	700,000	2
5	Bray Street (14)	Mullawirra	3	1,000,000	3
6	Morphett Road (33) (south of Seacombe Rd)	Southern Hills & Warriparinga	3 Possibly WSUD & Landscaping	1,400,000	
7	Finniss Street (2)	Warriparinga	2 + indented parking bays	1,200,000	
8	Diagonal Road (8) (adjacent the shopping centre)	Warracowie	3 (if possible) Possibly landscaping only	500,000	4
9	Perry Barr Road (13)	Coastal	3 (with separated bike lanes at the eastern end)	900,000	
10	Winifred Avenue (12)	Woodlands & Mullawirra	3	750,000	5
11	Oaklands Road	Warracowie & Mullawirra	3 (if possible)	1,100,000	
12	Patpa Drive (36)	Southern Hills	possibly landscaping & WSUD	700,000	
13	Tonsley Greenway (3)	Warriparinga	Landscaping/WSUD Complement the Walking & Cycling Strategy	750,000	7
14	Folkestone Road (17)	Warracowie	3	1,000,000	
15	Newland Ave/Sherlock Rd (19)	Coastal	3	1,100,000	8
16	Chitral Terrace (30)	Woodlands	3	400,000	
17	Hendrie Street (21)	Mullawirra	3	1,800,000	9
18	Davenport Terrace (39)	Southern Hills & CoHB	3	1,800,000	10


Note: Estimated cost are indicative only

 Warriparinga

 Warracowie

 Coastal

 Woodlands

 Mullawirra

 Southern Hills

Option 3 - Possible Program

Filters - Wards and Alignment with other initiatives

No	Road	Ward	Treatment	Alignment with other Initiatives	Estimated Cost (\$)	Year
1	Alawoona Avenue	Warriparinga	3		1,100,000	1
2	Finniss Street	Warriparinga	2 plus indented parking bays	Marion Historic Village	600,000	2
					600,000	
3	Railway Terrace	Woodlands	Landscaping/WSUD/Station treatments only	Greenway Walking/Cycling Strategy	1,000,000	3
4	Heron Way	Coastal	Committed Project	Heron Way Reserve	200,000	
5	Birch Crescent	Warriparinga	2	Greenway	900,000	4
6	Warracowie Way	Warracowie	1 + shared space		500,000	
7	Bray Street	Mullawirra	3		400,000	
					600,000	5
8	Morphett Road (south of Seacombe Rd)	Southern Hills & Warriparinga	3 Possibly WSUD & Landscaping		1,300,000	
9	Perry Barr Road	Coastal	3 (with contra flow like lanes)		900,000	6
10	Tonsley Greenway	Warriparinga	Landscaping, WSUD & access provisions	Greenway Walking/Cycling Strategy	750,000	
11	Winifred Avenue	Woodlands & Mullawirra	3		750,000	7
12	Chitral Terrace	Woodlands	3		400,000	
10	Diagonal Road (adjacent to the shopping centre)	Warracowie	3 (if possible) Possibly landscaping only		500,000	
12	Oaklands Road	Warracowie & Mullawirra	3 (if possible)		1,100,000	8
13	Patpa Drive	Southern Hills	Possibly Landscaping & WSUD		700,000	
14	Newland Ave/Sherlock Rd	Coastal	3		1,100,000	9
15	Lindsay Avenue	Woodlands	3	Access to Station & Castle Plaza	500,000	
15	Folkestone Road	Warracowie	3		1,000,000	10
16	Scholefield Road	Coastal (part CoHB)	3	Entry Statement	400,000	
17	Patpa Drive	Southern Hills	3		400,000	
18	Hendrie Street	Mullawirra	3		1,800,000	

Note: Estimated cost are indicative only

	Warriparinga
	Woodlands

	Warracowie
	Mullawirra

	Coastal
	Southern Hills

Option 4 – Possible Program

As per Matrix and not including the Arterial Roads

No	Road	Ward	Treatment	Estimated Cost (\$)	Year
1	Alawoona Avenue	Warriparinga	3	1,100,000	1
2	Finniss Street	Warriparinga	2 + indented parking bays	600,000	2
				600,000	
3	Heron Way	Coastal	Project committed	200,000	3
4	Tonsley Greenway	Warriparinga	Complement the Walking & Cycling Strategy	750,000	
5	Warracowie Way	Warracowie	Landscaping/WSUD only Complement the Walking & Cycling Strategy	500,000	4
6	Birch Crescent	Warriparinga	2	900,000	
7	Railway Terrace Greenway	Woodlands	Landscaping/WSUD/Station treatments only. Complement the Walking & Cycling Strategy	700,000	5
8	Winifred Avenue	Woodlands/ Mullawirra	3	750,000	
9	Perry Barr Road	Coastal	3 (with separated bike lanes at the eastern end)	900,000	6
10	Bray Street	Mullawirra	3	1,000,000	
11	Folkestone Road	Warracowie	3	1,000,000	7
12	Lindsay Avenue	Woodlands	3	500,000	
13	Newland Ave/Sherlock Rd	Coastal	3	1,100,000	8
14	Raglan Avenue	Woodlands	3	1,500,000	
15	Hendrie Street	Mullawirra	3	1,800,000	9
16	Trott Grove	Warracowie	Landscaping/WSUD only	550,000	10
17	Scholefield Road (CoHB)	Coastal / CoHB	3	450,000	
18	Addition Road	Warracowie	3	600,000	

Note: Estimated cost are indicative only