

minutes

Capital Works Committee

MEETING HELD ON **TUESDAY 1 APRIL 2014**

TABLE OF CONTENTS

| Item No. | Title | Page No. |
|-----------------|--|-----------------|
| | Declaration of Opening | 3 |
| | Declarations of Interest | 3 |
| | Apologies/Leave of absence | 3 |
| | Confirmation of Minutes | 4 |
| | Announcements by the Presiding Member without discussion | 4 |
| | Identification of matters for which the meeting may be closed to the public | 4 |
| | Petitions and deputations | 4 |
| | Reports | 5 |
| 1 | Update on 2013-14 Capital Works Program – [102496] | 5 |
| 2 | Bi-Monthly Capital Works Project Reports – [102496] | 8 |
| 3 | Priority Two and Priority Three Entry Statements – [37196] | 12 |
| 4 | East-West Arterial Roads Program – [102496, 53597] | 18 |
| | Urgent Business | 26 |
| | Motions of which previous notice has been given | 26 |
| | Requests for Reports for future consideration | 26 |
| | Closure | 26 |

CITY OF JOONDALUP

MINUTES OF THE CAPITAL WORKS COMMITTEE MEETING HELD IN CONFERENCE ROOM 2, JOONDALUP CIVIC CENTRE, BOAS AVENUE, JOONDALUP ON TUESDAY 1 APRIL 2014.

ATTENDANCE

Committee Members

| | |
|-----------------------|-----------------------------------|
| Cr Kerry Hollywood | <i>Presiding Member</i> |
| Mayor Troy Pickard | |
| Cr Liam Gobbert | <i>Deputising for Cr Amphlett</i> |
| Cr John Chester | <i>Deputising for Cr Corr</i> |
| Cr Teresa Ritchie, JP | |
| Cr Philippa Taylor | <i>Deputy Presiding Member</i> |

Officers

| | |
|-------------------|--|
| Mr Nico Claassen | Director Infrastructure Services |
| Mr Brad Sillence | Manager Governance |
| Mr Andrew Murphy | Manager Infrastructure Management Services |
| Mr John Byrne | Governance Coordinator |
| Mrs Lesley Taylor | Governance Officer |

DECLARATION OF OPENING

The Presiding Member declared the meeting open at 5.46pm.

DECLARATIONS OF INTEREST

Nil.

APOLOGIES/LEAVE OF ABSENCE

Apology:

Cr Christine Hamilton-Prime.

Leave of Absence Previously Approved:

| | |
|-----------------------|--|
| Cr Mike Norman | 26 March to 1 April 2014 inclusive; |
| Cr Brian Corr | 27 March to 5 April 2014 inclusive; |
| Cr Geoff Amphlett, JP | 27 March to 29 April 2014 inclusive; |
| Cr Mike Norman | 5 April to 12 April 2014 inclusive; |
| Cr Kerry Hollywood | 16 April to 4 May 2014 inclusive; |
| Cr Liam Gobbert | 16 April to 17 May 2014 inclusive; |
| Cr Russ Fishwick, JP | 29 April to 2 May 2014 inclusive; |
| Cr John Chester | 1 May to 12 May 2014 inclusive. |
| Cr Mike Norman | 4 May to 9 May 2014 inclusive; |
| Cr Brian Corr | 20 May to 24 May 2014 inclusive; |
| Cr Russ Fishwick, JP | 4 August to 23 September 2014 inclusive. |

CONFIRMATION OF MINUTES**MINUTES OF THE CAPITAL WORKS COMMITTEE HELD 4 FEBRUARY 2014**

MOVED Mayor Pickard, SECONDED Cr Gobbert that the minutes of the meeting of the Capital Works Committee held on 4 February 2014 be confirmed as a true and correct record.

The Motion was Put and

CARRIED (6/0)

In favour of the Motion: Cr Hollywood, Mayor Pickard, Crs Chester, Gobbert, Ritchie and Taylor.

ANNOUNCEMENTS BY THE PRESIDING MEMBER WITHOUT DISCUSSION

Nil.

IDENTIFICATION OF MATTERS FOR WHICH THE MEETING MAY BE CLOSED TO THE PUBLIC

In accordance with Clause 5.2 of the City's *Meeting Procedures Local Law 2013*, this meeting was not open to the public.

PETITIONS AND DEPUTATIONS

Nil.

REPORTS**ITEM 1 UPDATE ON 2013-14 CAPITAL WORKS PROGRAM**

| | |
|-------------------------------|--|
| WARD | All |
| RESPONSIBLE DIRECTOR | Mr Nico Claassen Infrastructure Services |
| FILE NUMBER | 102496, 101515 |
| ATTACHMENTS | Attachment 1 Capital Works Project Report 2013-14 |
| AUTHORITY / DISCRETION | Information - includes items provided to Council for information purposes only that do not require a decision of Council (that is for 'noting'). |

PURPOSE

For the Capital Works Committee to note the update on the *2013-14 Capital Works Program*.

EXECUTIVE SUMMARY

The Capital Works Project Report for the 2013-14 program, as at 28 February 2014, is attached (Attachment 1 refers).

It is recommended that the Capital Works Committee NOTES the report on the Capital Works Projects for 2013-14 as at 28 February 2014 forming Attachment 1 to this Report.

BACKGROUND

At its meeting held on 15 May 2012 (CJ094-05/12 refers), Council resolved in part to establish a Capital Works Committee to:

- *oversee the monthly progress of the City's annual Capital Works Program and review of the City's Five Year Capital Works Program*
- *oversee the long term planning of major capital works projects not being the role of a Council Committee established for such purposes*
- *consider recommendations to modify the City's Capital Works.*

DETAILS

The Capital Works Project Report for the 2013-14 program, as at 28 February 2014, is provided at Attachment 1.

Legislation / Strategic Community Plan / policy implications**Legislation**

Sections 5.17 and 6.8 of the *Local Government Act 1995*.

A committee cannot make decisions, on behalf of the Council, that require an absolute majority decision (section 5.17 of the *Local Government Act 1995*), in which case, and in accordance with Section 6.8 of the *Local Government Act 1995*, includes approving expenditure not included in the City's Annual Budget. The Capital Works Committee could only recommend to the Council to approve or modify capital works projects.

Strategic Community Plan**Key theme**

Financial Sustainability.

Objective

Major project delivery.

Strategic initiative

Not applicable.

Policy

Not applicable.

Risk management considerations

Not applicable.

Financial/budget implications

Not applicable.

Regional significance

Not applicable.

Sustainability implications

Not applicable.

Consultation

Not applicable.

COMMENT

The Capital Works Project Report for the 2013-14 program provides an update on the capital works activities undertaken as at 28 February 2014.

VOTING REQUIREMENTS

Simple Majority.

MOVED Cr Chester, SECONDED Cr Ritchie that the Capital Works Committee NOTES the report on the Capital Works Projects for 2013-14 as at 28 February 2014 forming Attachment 1 to this Report.

The Motion was Put and

CARRIED (6/0)

In favour of the Motion: Cr Hollywood, Mayor Pickard, Crs Chester, Gobbert, Ritchie and Taylor.

Appendix 1 refers

To access this attachment on electronic document, click here: [Attach1agnCWC010414.pdf](#)

It is therefore recommended that the Capital Works Committee NOTES the:

- 1 *bi-monthly capital works project reports forming Attachments 1-17 to this Report;*
- 2 *completion of the Currambine Community Centre project and the Hillarys Park - landscape upgrade project and that no further status reports will be provided;*
- 3 *withdrawal of the Suburban Entry Statements project;*
- 4 *creation of the Entry Statements - Joondalup Drive project.*

BACKGROUND

At its meeting held on 6 August 2013 the Capital Works Committee requested that the following project reports from the *2013-14 Capital Works Program* be provided on a bi-monthly basis:

- Currambine Community Centre.
- Hodges Drive duplication.
- Warrandyte Park - landscape upgrade.
- Mawson Park - landscape upgrade.
- Hillarys Park - landscape upgrade.
- Delamere Park construction.
- Arterial Roads Entry Statements.
- Suburban Entry Statements.
- Shenton Avenue landscaping
- Admiral Park refurbishment.
- Marmion Foreshore car park.
- Iluka District Open Space - sports lighting upgrade.
- Otago Park - sump beautification.
- Joondalup City Centre lighting.
- Warwick Leisure Centre extension.
- Multi-storey car park - Boas Avenue.

DETAILS

A summary of the projects and their current status is detailed in the bi-monthly project reports forming Attachments 1-17 to this Report.

The following projects which required bi-monthly project reports have now been completed and no further reports will be presented to the Capital Works Committee:

- Currambine Community Centre.
- Hillarys Park - landscape upgrade.

At its meeting held on 10 December 2013 (CJ252-12/13 refers), Council agreed, in part that it:

- “2 *APPROVES BY AN ABSOLUTE MAJORITY the reallocation of \$170,000 from Capital Works project SSE2020 Suburban Entry Statements, to fund the installation of a third priority one entry statement as detailed in Part 1 above;*”

Project SSE2020 Suburban Entry Statements has now been withdrawn and no further status reports will be presented to the Capital Works Committee.

Further to the above, the following project, Entry Statements - Joondalup Drive has been created and a bi-monthly status update will be provided to the Capital Works Committee.

Legislation / Strategic Community Plan / policy implications

Legislation Sections 5.17 and 6.80 of the *Local Government Act 1995*.

A committee cannot make decisions, on behalf of the Council, that require an absolute majority decision (section 5.17 of the *Local Government Act 1995*), in which case, and in accordance with Section 6.8 of the *Local Government Act 1995*, includes approving expenditure not included in the City's Annual Budget. The Capital Works Committee could only recommend to the Council to approve or modify capital works projects.

Strategic Community Plan

Key theme Financial Sustainability.

Objective Major project delivery.

Strategic initiative Not applicable.

Policy Not applicable.

Risk management considerations

Not applicable.

Financial/budget implications

Not applicable.

Regional significance

Not applicable.

Sustainability implications

Not applicable.

Consultation

Not applicable.

COMMENT

The attached capital works project reports provide an update on the activities undertaken in the last two months.

VOTING REQUIREMENTS

Simple Majority.

MOVED Mayor Pickard, **SECONDED** Cr Chester that the Capital Works Committee **NOTES** the:

- 1** bi-monthly capital works project reports forming Attachments 1-17 to this Report;
- 2** completion of the Currambine Community Centre project and the Hillarys Park - landscape upgrade project and no further status reports will be provided;
- 3** withdrawal of the Suburban Entry Statements project;
- 4** creation of the Entry Statements - Joondalup Drive project.

The Motion was Put and

CARRIED (6/0)

In favour of the Motion: Cr Hollywood, Mayor Pickard, Crs Chester, Gobbert, Ritchie and Taylor.

Appendix 2 refers

To access this attachment on electronic document, click here: [Attach2agnCWC010414.pdf](#)

ITEM 3 PRIORITY TWO AND PRIORITY THREE ENTRY STATEMENTS

| | |
|-------------------------------|--|
| WARD | All |
| RESPONSIBLE DIRECTOR | Mr Nico Claassen Infrastructure Services |
| FILE NUMBER | 37196, 101515 |
| ATTACHMENTS | Attachment 1 Priority two entry statement Attachment 2 Priority three entry statement Attachment 3 Priority two and three entry statement elevations Attachment 4 Revised hierarchical location map Attachment 5 Original hierarchical location map |
| AUTHORITY / DISCRETION | Executive - The substantial direction setting and oversight role of Council, such as adopting plans and reports, accepting tenders, directing operations, setting and amending budgets. |

PURPOSE

For Council to endorse the design and location of the priority two and priority three entry statements and approve the proposed implementation strategy.

EXECUTIVE SUMMARY

In 2007 the City appointed Greg Grabasch, Landscape Architect at Urban Design and Landscape Architecture (UDLA) to undertake the design of priority one entry statements to the City's district. The design was developed during a series of workshops with Elected Members to create an entry statement unique to the City of Joondalup.

At its meeting held on 17 February 2009 (CJ028-02/09 refers), Council approved the installation of three priority one entry statements commencing with the two located within the median of Marmion Avenue near the south and north local government boundaries. Works commenced in August 2013 and are now complete.

At its meeting held on 10 December 2013 (CJ252-12/13 refers), Council agreed in part to approve the installation of the third priority one entry statement in the north-east corner of the City's boundary, sited within the Joondalup Drive median. Construction of the third priority one entry statement has commenced and is due for completion in April 2013. Upon completion, the original intent of the priority one entry statements to provide a memorable gateway into the City of Joondalup will be met.

The priority two and priority three entry statements were intended to provide recognisable landmarks at the secondary vehicular entry and exit points into the City of Joondalup and this report outlines the design, locations and funding implications to facilitate the installation of the priority two and priority three entry statements and associated landscaping works.

It is therefore recommended that Council:

- 1 *ENDORSES the concept design for the priority two and priority three entry statements forming Attachments 1, 2 and 3 to this Report;*
- 2 *APPROVES the location of the priority two and priority three entry statements forming Attachment 4 to this Report;*
- 3 *APPROVES the progressive installation of the priority two and priority three entry statements as part of the current programs within the Streetscape Enhancement Program, the East-West Arterial Roads Upgrade Program and the Streetscape Renewal Program.*

BACKGROUND

In 2007 the City appointed Greg Grabasch, Landscape Architect at Urban Design and Landscape Architecture (UDLA) to undertake the design of entry statements to the City of Joondalup. The concept for the City of Joondalup entry statements is to provide a memorable gateway into the City, described by the appointed landscape architect as, "A clear Joondalup sign informs people of where they are entering while the rest of the design mimics a city skyline and the individual elements are an interpretive reflection of what is the City of Joondalup (past, present and future)." The design was developed during a series of workshops with Elected Members to create an entry statement unique to the City of Joondalup.

At its meeting held on 17 February 2009 (CJ028-02/09 refers), Council endorsed the design concept and an amount of \$375,750 was included in the 2009-10 Capital Works Program for the construction of three priority one entry statements. Revised costing undertaken by UDLA revealed that only two priority one entry statements could be installed with the available funding.

At its meeting held on 16 February 2010 (CJ026-02/10 refers) Council approved the installation of two priority one entry statements. The two locations selected were on Marmion Avenue near the northern and southern local government boundaries. The entry statement project was advertised for tender in December 2011 and tender submissions were received in April 2012. The submissions received substantially exceeded the budget and all tenders were declined.

The entry statements project was subject to further review to meet budget constraints and design changes to meet Main Roads WA requirements. At its meeting held on 16 April 2013 (CJ059-04/13 refers), Council approved the revised entry statement design and scope of works. Construction works on the northern and southern entry statements commenced in August 2013 and were completed in November 2013. The northern entry statement is sited 215 metres south of the local government boundary and the southern entry statement is sited 50 metres north of the local government boundary on Marmion Avenue.

At its meeting held on 10 December 2013 (CJ252-12/13 refers), Council approved the installation of a third priority one entry statement in the north-east corner of the City's boundary, sited within the Joondalup Drive median, approximately 40 metres west of the local government boundary. Construction of the third priority one entry statement has commenced and is due for completion in April 2014.

The Council's original intent of three priority one entry statements to provide a memorable gateway into the City of Joondalup at all major vehicular entry and exit points within the City's boundary will be met on completion of the north-east priority one entry statement.

The intent of the priority two and priority three entry statements was to provide recognisable landmarks at the secondary vehicular entry and exit points into the City of Joondalup. Mapping of hierarchical locations for entry statements for the City of Joondalup was conducted as part of the original entry statements project. This map, forming Attachment 5 to this Report, has been used as guidance to determine the locations of the priority two and priority three entry statements for installation.

The suburban entry statement signage has not been addressed in this report. This subject requires extensive investigation and will be the subject of another report.

DETAILS

The design of the priority two and priority three entry statements reflects the form, style and colour of the priority one entry statements further reinforcing a recognisable image for the City of Joondalup.

The locations of priority one, two and three entry statements within the City of Joondalup are proposed as shown on the revised map forming Attachment 4 to this Report. The priority two and priority three entry statements have been located to provide recognisable landmarks at the secondary vehicular entry and exit points into the City's boundary.

Priority two entry statements

Design

The design for the priority two entry statements, forming Attachments 1 and 3 to this Report, is a smaller version of the priority one entry sign. The design includes three interpretive poles ranging in height from 2m to 3m using the same graphics as the priority one entry statements. The signs accenting an entry point into the City's boundary shall have the City's logo with text reading 'Welcome' and 'City of Joondalup'. The sign will use the same colours and graphics as seen on the priority one entry and exit signs. Lighting is not proposed for this signage.

Location

The priority two entry statements have been located within the medians of the major east-west arterial roads at the eastern entrance points from Wanneroo Road and Connolly Drive entrance at the northern boundary (Attachment 4 refers). Signs are proposed in the road medians of:

- Connolly Drive
- Ocean Reef Road
- Whitfords Avenue
- Hepburn Avenue
- Warwick Road.

In total, five priority two entry statements have been identified to be installed within the City of Joondalup.

Priority Three Entry Statements

Design

The design for the priority three entry statements forming Attachments 2 and 3 to this Report, utilises a smaller version of the priority one entry sign and does not include interpretive poles. The signs are located within the City boundaries and shall have the City's logo with text reading 'City of Joondalup'. The sign will use the same colours and graphics as seen on the priority one entry and exit signs. Lighting is not proposed for this signage.

Location

The priority three entry statements are located within the medians of the major east-west arterial roads at the exit and entry points to Mitchell Freeway (Attachment 4 refers). Signs are proposed in the road medians of:

- Shenton Avenue
- Hodges Drive
- Ocean Reef Road
- Whitfords Avenue
- Hepburn Avenue
- Warwick Road.

Six priority three entry statement locations have been identified within the City of Joondalup, requiring twelve signs in total.

Issues and options considered

Issues

There is no budget allocation in the *Five Year Capital Works Program* for the installation of priority two and priority three entry statements. Without the associated landscaping, as depicted in the artist's impression forming Attachment 1 and 2 to this report, the supply and installation of each priority two sign is estimated at \$14,200 and each priority three sign is estimated at \$6,909.

The associated landscape works surrounding the entry statements in some of the proposed locations is already completed and in other locations will be the subject of future works within the affiliated *East-West Arterial Roads Upgrade Program*.

Where no landscaping exists the proposed landscaping will reflect the design used in the *East-West Arterial Roads Upgrade Program* and the existing priority one entry statements comprising of 1.2 metre wide coloured concrete band back of kerb, supply and installation of local native plants, mulching and irrigation as depicted in the artist's impression forming Attachments 1 and 2 to this Report.

The *Streetscape Renewal Program* and the *East-West Arterial Roads Upgrade Program* are dedicated streetscape enhancement programs within the City's *Five Year Capital Works Program*.

Options*Option One*

The progressive installation of priority two and priority three entry statements:

- as part of the *East-West Arterial Roads Upgrade Program* where no enhanced landscapes been undertaken
- as part of the *Streetscape Renewal Program* in roads with existing enhanced landscaping.

Option Two

The progressive installation of priority two entry statements only as part of either the *East-West Arterial Roads Upgrade Program* or the *Streetscape Renewal Program* as applicable.

Option Three

Do not proceed.

The priority two and priority three entry statements do not form part of any current capital works program and no project funding allocation has been made for installation. Signage forms an integral part of the landscaping component of a project and inclusion of the priority two and priority three entry statements into the current programs within the *Streetscape Enhancement Program* is recommended.

Legislation / Strategic Community Plan / policy implications

| | |
|---------------------------------|---|
| Legislation | Not applicable. |
| Strategic Community Plan | Not applicable. |
| Key theme | Quality Urban Environment. |
| Objective | Quality built outcomes. |
| Strategic initiative | Buildings and landscaping is suitable for the immediate environment and reflect community values. |
| Policy | Not applicable. |

Risk management considerations

Not applicable.

Financial/budget implications

There is no allocation in the *Five Year Capital Works Program* to roll out the construction of the priority two and priority three entry statements in isolation. In total, there are five priority two entry statement signs and twelve priority three entry statement signs proposed for installation.

Capital Cost

Priority two entry statements \$71,000.
Priority three entry statements \$82,908.

Annual Operating Costs

Priority two entry statements \$12,500 per annum.
Priority three entry statements \$15,000 per annum.

Regional Significance

Not applicable.

Sustainability implications

Not applicable.

Consultation

Not applicable.

VOTING REQUIREMENTS

Simple Majority.

OFFICER'S RECOMMENDATION

That Council:

- 1 ENDORSES the concept design for the priority two and priority three entry statements forming Attachments 1, 2 and 3 to this Report;
- 2 APPROVES the location of the priority two and priority three entry statements forming Attachment 4 to this Report;
- 3 APPROVES the progressive installation of the priority two and priority three entry statements as part of the current programs within the Streetscape Enhancement Program, the East-West Arterial Roads Upgrade Program and the Streetscape Renewal Program.

PROCEDURAL MOTION – THAT THE ITEM BE REFERRED BACK TO THE CEO

MOVED Cr Gobbert, SECONDED Cr Chester that the item relating to priority 2 and priority 3 entry statements be REFERRED BACK to the Chief Executive Officer to allow the design of the priority 2 and priority 3 entry statements to be professionally revised including a revision of the installation timetable to focus on the installation of priority 2 entry statements initially.

The Procedural Motion was Put and

CARRIED (6/0)

In favour of the Procedural Motion: Cr Hollywood, Mayor Pickard, Crs Chester, Gobbert, Ritchie and Taylor.

Appendix 3 refers

To access this attachment on electronic document, click here: [Attach3agnCWC010414.pdf](#)

ITEM 4 EAST-WEST ARTERIAL ROADS PROGRAM

| | | |
|-------------------------------|---|--|
| WARD | All | |
| RESPONSIBLE DIRECTOR | Mr Nico Claassen Infrastructure Services | |
| FILE NUMBER | 102496, 101515, 53597 | |
| ATTACHMENT | Attachment 1 | Whitfords Avenue streetscape enhancement |
| | Attachment 2 | Entry points and significant intersections |
| | Attachment 3 | Proposed projects 2015-16 |
| | Attachment 4 | Proposed landscape treatment levels |
| AUTHORITY / DISCRETION | Executive - The substantial direction setting and oversight role of Council, such as adopting plans and reports, accepting tenders, directing operations, setting and amending budgets. | |

PURPOSE

For Council to endorse the design strategy and proposed implementation methodology for the east-west arterial roads.

EXECUTIVE SUMMARY

The *Iconic East-West Arterial Roads Program* was initiated in 2008 as a rolling program within the *Five Year Capital Works Program*. At its meeting held on 18 March 2008 (CJ034-03/08 refers), Council agreed in part to landscape upgrades on seven major east-west arterial roads.

The first iconic east-west arterial road project undertaken as a pilot project was on the Burns Beach Road median. This project was completed in 2013 at a total cost of \$2,575,254 (\$119.65 per square metre). The cost of this median treatment was considered to be not sustainable for replication on the remaining east-west arterial roads. A review was subsequently undertaken with the view to rationalise design options and reduce costs.

At its meeting held on 16 April 2013 (CJ060-04/13 refers), Council approved the rationalised design for Shenton Avenue which delivered a reduction in cost to \$1,850,763 (\$75.84 per square metre).

In order to maintain costs at this level, cost control measures have been identified and include:

- a standardised methodology of analysis and design strategy
- a reference table outlining different landscape treatment levels and their associated costs.

A range of implementation options within the current draft budget allocations have been considered, with the recommended option considered to deliver best value for money and to attain a high impact outcome.

It is therefore recommended that Council:

- 1 *NOTES the methodology of analysis and design strategy proposed for all arterial roads;*
- 2 *APPROVES Option 3 for implementation to provide landscape treatments to selected sections on more than one arterial road simultaneously;*
- 3 *NOTES that for the first year (2015-16) Option 3 comprises of 12 level 1 landscape treatments at entry points as forming Attachment 3 to this Report.*

BACKGROUND

The City of Joondalup developed the *Landscape Master Plan* (LMP) in response to predicted environmental changes that may impact on the City's ability to provide and maintain a level of service expected by the community and in response to the Water Corporation's call for major reductions in irrigation water use across the Perth metropolitan area.

The key outcomes of the LMP were to provide an aesthetically pleasing landscape treatment while addressing biodiversity linkages and water consumption issues. The projects forming the *Iconic East-West Arterial Roads Program* are a key focus area of the LMP adopted by Council at its meeting held on 16 December 2008 (CJ259-12/08 refers).

At its meeting held on 18 March 2008 (CJ034-03/08 refers), Council agreed to the selection of seven iconic projects being the east-west major road arteries as follows:

- Burns Beach Road.
- Shenton Avenue.
- Hodges Drive.
- Ocean Reef Road.
- Whitfords Avenue.
- Hepburn Avenue.
- Warwick Road.

The *Iconic East-West Arterial Roads Program* was initiated in 2008 as a rolling program within the City's *Five Year Capital Works Program*.

The original concept design (based on Shenton Avenue) incorporated water sensitive urban design and provided a unique image for the City in high visibility and high usage roads. The vision of the design was to reflect the adjacent plant communities and the associated soil types graduating from the coastal heath land, through bushland, to the wetlands of the lakes area. The concrete banding framing the planting beds varies in colour to reflect the changing soil type. Local provenance plants, harvested from nearby bushland parks reference the changing plant communities. While the emphasis is on local provenance plant species unique to the City of Joondalup, selected hybrid species would also be considered.

At its meeting held on 2 September 2008 (CJ176-09/08 refers), Council endorsed the design concept and agreed to implement the first project of the *Iconic East-West Arterial Roads Program* as a pilot project, on the Burns Beach Road median. A small section of Hodges Drive (Mitchell Freeway to Joondalup Drive) was included in the construction program. This section of Hodges Drive is a high visibility entrance to the Joondalup City Centre from the freeway.

The pilot project, Burns Beach Road Landscaping SSE2016, was completed in 2013 at a total cost of \$2.58 million (\$119.65 per square metre). The cost of this median treatment was considered to be not sustainable for replication on the remaining east-west arterial roads.

Shenton Avenue Landscaping SSE2038 was the following project in the *Iconic East-West Arterial Roads Program* and a review was undertaken to rationalise design options and reduce cost. A report to Council in April 2013 (CJ060-04/13 refers), demonstrated reduction in cost to \$1.85 million (\$75.84 per square metre).

At its meeting held on 16 April 2013 (CJ060-04/13 refers), Council approved the rationalised design and requested that a report be presented to a future Capital Works Committee meeting reviewing the *Iconic East-West Arterial Roads Program* with the objective to significantly reduce project costs. The Shenton Avenue project is currently under construction and is progressing to plan.

The landscape upgrade, as part of the Hodges Drive dualling project RDC2011 (Marmion Avenue to Ocean Reef Road), has applied a further reduced landscape design option to meet budget constraints. This landscape component is costed at \$269,461 (\$50.31 per square metre).

DETAILS

Pilot project

Landscaping enhancement to the Burns Beach Road median from Delgado Road to Joondalup Drive and the Hodges Drive median between the Mitchell Freeway and Joondalup Drive formed the pilot project for the *Iconic East-West Arterial Roads Program*.

The development of the pilot project included meeting unique design specifications and required extensive research and the establishment of a reliable provenance plant supply. The City employed external consultants to undertake the design, documentation and contract administration of the pilot project and to develop and manage the growing program.

The pilot project costs of \$119.65 per square metre, reflects the entire development and construction costs including provision for unique site conditions to Stages 4 and 5 of Burns Beach Road. Many costs attributed to the initial development are a 'one off item' and are not required on future arterial road landscaping projects.

Future East-West Arterial Road Upgrades

Proposed project cost control measures

The remaining east-west arterial roads identified for landscaping enhancement are significantly longer than Burns Beach Road and all have varying standards of existing landscape treatments throughout their length.

An analysis of all east-west arterial roads is proposed to identify constraints and opportunities and the application of appropriate landscape treatments to effectively cost and program future landscape works.

Topographical analysis

To identify:

- potential entry points into the City
- significant intersections
- activity precincts – commercial, leisure
- sections of median with high existing amenity value grading through to significantly degraded sections
- sections of median with existing kerbing
- sections of median with no existing kerbing
- potential water source for plant establishment.

Table 1 Proposed landscape treatment levels and cost comparisons

| LEVEL | LOCATION | LANDSCAPE TREATMENTS | COST / M ² |
|---------|----------------------------------|---|-----------------------|
| Level 1 | Entry points. | Apply the original design landscape treatment and include Priority Two and Three Entry Statement signage. (Provenance planting in concrete banded garden beds). | \$160 |
| Level 2 | Significant intersections. | Apply the original design landscape treatment. (Provenance planting in concrete banded garden beds). | \$103 |
| Level 3 | Median with existing kerbing. | Provide formal / informal provenance planting of shrubs and trees with concrete banding to back of kerb only. | \$75 |
| Level 4 | Median with existing kerbing. | Provide planting of trees with concrete banding to back of kerb only. | \$52 |
| Level 5 | Median with no existing kerbing. | Provide informal provenance planting of shrubs and trees. | \$54 |
| Level 6 | Median with no existing kerbing. | Provide planting of trees. | \$35 |
| Level 7 | Median with no access to water. | Provide dry tube stock planting can be undertaken with an infill planting program scheduled for the following three consecutive winters. | \$41 |
| Level 8 | Median with no access to water. | Provide maintenance refurbishment to areas with existing dry grass. | \$5 |

Attachment 4 provides pictorial representations of the above.

Where sections of median have a high existing amenity value it is proposed to provide no landscape enhancement.

All landscape treatments will include mulching, where applicable. Further investigation into the sourcing and application of mulch is required. The pathogen free mulch currently being installed on these projects is cost prohibitive.

Design strategy

The following three elements are proposed as the main focus for all arterial roads:

- Entry points into the City.
- Activity precincts.
- Significant intersections.

The medians within activity precincts may require enhanced landscape treatments which may be a combination of levels.

Issues and options considered

Issues

Whitfords Avenue is the next east-west arterial road project programmed for design in 2014. A conceptual design has been prepared for reference, demonstrating the application of some of the proposed landscape upgrade treatments and associated costs. The priority two and priority three entry statements (an affiliated program and the subject of a separate report) have been included in the design and costing for Whitfords Avenue.

Landscape Treatment Options

All options are based on the current draft *Five Year Capital Works Program* budget allocations for the *East-West Arterial Roads Upgrades Program* commencing in 2015-16.

Option One

Provide the complete landscape treatment to one arterial road at a time based on the Whitfords Avenue Concept as forming Attachment 1 to this report. Whitfords Avenue is a 7.5 kilometre long road and the estimated cost for landscape treatment for its entire length is \$3.1 million (\$68.00 per square metre) and would be phased over a five year period. Further reductions can be achieved on this project by changing the scope and substituting levels of landscape treatment accordingly.

Option Two

Provide landscape treatments to selected sections of one arterial road at a time, based on the Whitfords Avenue Concept as forming Attachment 2 to this report. The project cost estimate is \$1.47 million and would be phased over a three year period, comprising of three Level 1 landscape treatments at entry points and 14 Level 2 landscape treatments to significant intersections.

Option Three

Provide landscape treatments to selected sections annually of more than one arterial road simultaneously. The installation for 2015-16 will comprise 12 level 1 landscape treatments at entry points on Ocean Reef Road, Whitfords Avenue, Hepburn Avenue and Warwick Road as forming Attachment 3 to this report. The total expenditure for 2015-16 would be \$678,078.

Legislation / Strategic Community Plan / policy implications

| | |
|---------------------------------|---|
| Legislation | Not applicable. |
| Strategic Community Plan | Not applicable. |
| Key theme | Quality Urban Environment |
| Objective | Quality built outcomes. |
| Strategic initiative | Buildings and landscaping is suitable for the immediate environment and reflect community values. |
| Policy | Not applicable. |

Risk management considerations

The risk to the City for the implementation of the *Arterial Roads Landscape Upgrades Program* is the sustainability of continuous funding and ongoing maintenance cost implications for the new projects.

Financial / budget implications

All proposed costs are consistent with the amounts in the draft *Five Year Capital Works Program* currently in progress.

SSE2011 East-West Arterial Roads Upgrade Program.

| | |
|---------|-----------|
| 2015-16 | \$680,000 |
| 2016-17 | \$750,000 |
| 2017-18 | \$750,000 |
| 2018-19 | \$750,000 |

Current financial year impact

There is no impact on the *2013-14 Capital Works Program*.

Future financial year impact

Annual operating cost \$7.00 per square metre.

The annual maintenance cost is an average of \$5.50 per square metre for labour only. An additional cost of \$1.50 per square metre for material costs (variable).

20 Year Strategic Financial Plan impact The net cash impact over the current adopted *20 Year Strategic Financial Plan* commencing 2015-16 is \$14.93 million for the *Five Year Capital Works Program*.

Regional significance

Not applicable.

Sustainability implicationsEnvironmental

The landscaping of the iconic east-west arterial road medians utilising provenance plant stock and applying the LMP and water sensitive urban design principles will support the protection of natural assets and retention of local biodiversity. The long-term maintenance requirements will be minimised, for example, reduction of mowing requirements and watering of provenance plant species. Increasing the vegetated surface area will also contribute to reduced greenhouse gas emissions and reduced surface temperatures.

Social

The social sustainability of the program is geared towards life-enhancing conditions for all sectors of the community through improved aesthetics in the public environment. The *East-West Arterial Roads Upgrade Program* provides a unique identify for the City of Joondalup through landscape enhancement.

Economic

Economic sustainability is provided for through minimisation of the on-going maintenance requirements.

The program will increase the general value of the City's assets and make the City a more desirable place in which to invest and live.

Consultation

Not applicable.

COMMENT

A rational approach to the *East-West Arterial Upgrade Program* is required in order for the City to be able to deliver a sustainable program. The installation of landscape treatments on any one east-west arterial road at a time will require staging and a lengthy construction period may ensue.

VOTING REQUIREMENTS

Simple Majority.

OFFICER'S RECOMMENDATION

That Council:

- 1 NOTES the methodology of analysis and design strategy proposed for all arterial roads;
- 2 APPROVES Option 3 for implementation to provide landscape treatments to selected sections on more than one arterial road simultaneously;
- 3 NOTES that for the first year (2015-16) Option 3 comprises of 12 level 1 landscape treatments at entry points as forming Attachment 3 to this report.

MOVED Cr Chester, SECONDED Cr Taylor that Council:

- 1 **NOTES the methodology of analysis and design strategy proposed for all arterial roads;**
- 2 **APPROVES Option 3 for implementation to provide landscape treatments to selected sections on more than one arterial road simultaneously;**
- 3 **REQUESTS the Chief Executive Officer to provide further clarity around the costings and phasing of Option 3 for the east-west arterial road program.**

The Motion was Put and

CARRIED (6/0)

In favour of the Motion: Cr Hollywood, Mayor Pickard, Crs Chester, Gobbert, Ritchie and Taylor.

Appendix 4 refers

To access this attachment on electronic document, click here: [Attach4agnCWC010414.pdf](#)

URGENT BUSINESS

Nil.

MOTIONS OF WHICH PREVIOUS NOTICE HAS BEEN GIVEN

Nil.

REQUESTS FOR REPORTS FOR FUTURE CONSIDERATION

Nil.

CLOSURE

There being no further business, the Presiding Member declared the meeting closed at 6.45pm; the following Committee Members being present at that time:

Cr Kerry Hollywood
Mayor Troy Pickard
Cr Liam Gobbert
Cr John Chester
Cr Teresa Ritchie, JP
Cr Philippa Taylor