



CITY of PERTH

Lord Mayor and Councillors,

NOTICE IS HEREBY GIVEN that the next meeting of the **Works and Urban Development Committee** will be held in Committee Room 1, Ninth Floor, Council House, 27 St Georges Terrace, Perth on **Tuesday, 16 June 2015 at 5.30pm.**

Yours faithfully

DOUG FORSTER
ACTING CHIEF EXECUTIVE OFFICER

11 June 2015

Committee Members:

Members:

Cr Limnios (Presiding Member)
The Lord Mayor
Cr McEvoy

1st Deputy:

Cr Butler

2nd Deputy:

Cr Yong



Please convey apologies to Governance on 9461 3250
or email governance@cityofperth.wa.gov.au

EMERGENCY GUIDE

Council House, 27 St Georges Terrace, Perth



CITY of PERTH

The City of Perth values the health and safety of its employees, tenants, contractors and visitors. The guide is designed for all occupants to be aware of the emergency procedures in place to help make an evacuation of the building safe and easy.

BUILDING ALARMS

Alert Alarm and Evacuation Alarm.

ALERT ALARM

beep beep beep

All Wardens to respond.

Other staff and visitors should remain where they are.



EVACUATION ALARM/PROCEDURES

whoop whoop whoop

On hearing the Evacuation Alarm or on being instructed to evacuate:

1. Move to the floor assembly area as directed by your Warden.
2. People with impaired mobility (those who cannot use the stairs unaided) should report to the Floor Warden who will arrange for their safe evacuation.
3. When instructed to evacuate leave by the emergency exits. **Do not use the lifts.**
4. Remain calm. Move quietly and calmly to the assembly area in **Stirling Gardens** as shown on the map below. Visitors must remain in the company of City of Perth staff members at all times.
5. After hours, evacuate by the nearest emergency exit. **Do not use the lifts.**

EVACUATION ASSEMBLY AREA



Assembly Area

Alternate Assembly Area

WORKS AND URBAN DEVELOPMENT COMMITTEE

Established: 17 May 2005 (Members appointed 22 October 2013)

Members:

Cr Limnios (Presiding Member)
The Lord Mayor
Cr McEvoy

1st Deputy:

Cr Butler

2nd Deputy:

Cr Yong

Quorum:

Two

Expiry:

October 2015

TERMS OF REFERENCE:

[Adopted OCM 04/06/13]

To oversee and make recommendations to the Council on matters related to:

1. works required to construct, upgrade and maintain streets, footpaths, thoroughfares and other public places, including streetscape upgrades, landscaping initiatives and directional signage and graffiti;
2. design, construction and upgrading of parks, reserves, recreational and civic amenities and facilities and Council owned buildings, excluding Council House, the Perth Town Hall, City of Perth Public Lending Library and the Perth Concert Hall;
3. the façade lighting of buildings;
4. waste management.

This meeting is not open to members of the public

**WORKS AND URBAN DEVELOPMENT
COMMITTEE
16 JUNE 2015**

ORDER OF BUSINESS

- 1. Declaration of Opening**
- 2. Apologies and Members on Leave of Absence**
- 3. Confirmation of Minutes – 5 May 2015**
- 4. Correspondence**
- 5. Disclosure of Members' Interests**
- 6. Reports**
- 7. Motions of which Previous Notice has been Given**
- 8. General Business**
 - 8.1. Responses to General Business from a Previous Meeting**
 - **Action from previous Works and Urban Development Committee meeting held on 5 May 2015 – City Cleansing and Waste Strategy Update – Interim Report (Minute Item WK58/15, TRIM reference 75104/15)**

Cr Limnios requested further information regarding a specific schedule of the City's cleaning operations in Northbridge and a strategy that will engage property owners to actively participate in the cleansing and upkeep of their properties.

Information was provided to Cr Limnios, Crs Yong and McEvoy on 7 May 2015 (TRIM reference 75595/15) regarding this matter.

It is also noted that an Elected Member Briefing Session regarding the management of alfresco areas is currently being arranged by the Director City Infrastructure and Enterprises.

(Cont'd)

8.2. New General Business

- **Proposal – Celebration of Sister City Kagoshima**

The Director City Infrastructure and Enterprises wishes to discuss a proposal regarding the establishment of a grove in Queens Gardens to commemorate the City's sister city relationship with Kagoshima.

9. Items for Consideration at a Future Meeting

Outstanding Reports:

- Northbridge Piazza Screening Wall – Detailed Costings for Enhancement (Raised 18/08/14 and updated by DCI 10/02/15).
- Identification and Improvement of “Neglected” Public Realm Spaces (Raised 04/11/14).
- Beautification of the city – Landscaping Options (Raised 05/05/15).

10. Closure

INDEX OF REPORTS

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ITEM NO: 1

GENERAL BUSINESS ITEM – DEMONSTRATION OF HIGH PRESSURE CLEANING UNIT ON PAVEMENT, REAR OF COUNCIL HOUSE

A demonstration of the City's High Pressure Cleaning Unit will be undertaken of pavement cleaning at the rear of Council House.

DETAILS:

The stone coloured paving at the rear of Council House is similar to the Northbridge footpath paving and is due to be cleaned. The demonstration will provide some insight into the operations conducted in the remainder of the city.

ITEM NO: 2

CARBON OFFSET (TREE PLANTING) PROGRAM – UPDATE AND THE FUTURE

RECOMMENDATION:

(APPROVAL)

That Council:

- 1. notes the contents of the report titled “Carbon Offset (Tree Planting) Program – Update and the Future”;***
- 2. reaffirms the tendering of the planting of 85,000 trees in country Western Australia as budgeted in Council’s 2015/16 Capital Program.***

BACKGROUND:

FILE REFERENCE:	P1024645
REPORTING UNIT:	City Infrastructure & Enterprises
RESPONSIBLE DIRECTORATE:	City Infrastructure & Enterprises
DATE:	3 June 2015
MAP / SCHEDULE:	Schedule 1 – Photographs of Kojonup plantings Schedule 2 – Carbon Conscious May 2015 Report (Koorda plantings)

LEGISLATION / STRATEGIC PLAN / POLICY:

**Integrated Planning
and Reporting
Framework
Implications**

Corporate Business Plan

Council Four Year Priorities: Healthy and active in Perth

S16 Increase accessibility to green networks in the city

16.1 Undertake a “Green Audit” that:

- Prioritises gaps.
- Identifies areas for protection (to allow tree growth).
- Considers and promotes opportunities for creative greening.

Policy

Policy No and
Name:

9.7– Purchasing Policy
CP 8.0 – Environment Policy

DETAILS:

In 2009, the City awarded a Stage 1 contract to a farming family, the McFalls of Kojonup to plant a minimum of 85,000 trees to off-set carbon emissions from cars entering the city and using the CPP parking facilities. The rationale for the tree planting program included the following:

1. Carbon off-set for the vehicle gas emissions.
2. An alternative income stream from the sale of Mallee oil based bio-fuels.
3. Recognising the inter-dependency of city and country Australians.
4. Providing improved habitat for flora and fauna.
5. The City's role in contributing to a global target of limiting rises in surface temperature.

The plantings at Kojonup are a mixture of Mallee trees in plantation format and land contour based bio-diversity. The Mallee trees were seedlings purposely grown for a harvestable crop to produce oils and alternative fuel sources. The bio-diversity plantings were from natural seeds which would form a windbreak for pasture improvements and the advantages listed above.

Schedule 1 shows photographs of the Kojonup plantings. Photograph 1 shows the growth achieved in the intervening period since 2009 in the bio-diversity groupings. There is considerable foliage, now naturally self-seeding, which is gaining in height and density. It is not proposed that these tree species are harvestable but will improve the quality of the adjoining agricultural land by forming a windbreak and mini eco-system. Photograph 2 shows the Mallee tree plantings which also have grown considerably and are actually ready for harvesting.

Photograph 3 shows Mallee trees (not the City of Perth's plantings) which were harvested approximately 18 months ago. The multiple stem growth at ground level increases the future yield of oils from the branches and the leaves.

Photograph 4 shows less mature trees but it can be seen in the foreground that there is coppicing of growth from the root systems in a lighter colour.

Some losses have occurred due to drought and these can be seen in Photograph 5. It is proposed to cut the trees at ground level for re-shooting from the underground root system failing which, infill seedlings will be sown. Kojonup has undergone three dry years which unfortunately has resulted in the death of these trees.

In Photograph 6, the sub-dividing of what were large paddocks into smaller tree protected strips has resulted in the improvement to the agricultural value of the land which has now been prepared for seeding and cropping. Previously, this particular paddock would not have been in a condition for cropping due to dry weather.

Since the Kojonup planting in 2009, there have been three additional contracts awarded in the north-eastern wheat belt region of Koorda, Western Australia. Of the trees planted in these latter contracts, the majority are harvestable oil Mallee species with the potential to produce biofuels and an income to the City.

Research shows that the Western Australian oil produced by the Mallee tree is the most energy effective biofuel when compared to more traditional crops such as corn, canola and mustard seed. Mallee trees are first harvested after about six years from establishment. They re-grow from the stump for subsequent harvest on a five year cycle. This can continue for more than 50 years without tree removal thus there is only the initial cost of planting and growth management.

In all contracts, the carbon rights in terms of trading potential from the trees are in favour of the City of Perth protected by an interest on the property title. The new system of carbon trading (Direct Action Carbon Abatement Auctions) introduced through Parliament in the last nine months has yet to be fully evaluated as the market reacts. As indicated earlier in this report, the Mallee trees at Kojonup are ready for harvesting which will be arranged over the next six months. By undertaking the physical work and testing the yield a better appreciation of the value of the oils produced will be available.

question often arises as to why not conduct carbon off-set programs locally within the City's boundary. An intense planting program from 2004 to 2006 within the City boundaries literally filled the easy spaces for trees within the 8.1 square kilometres. There are opportunities to install more trees in paved areas. However, the installation is expensive as tree grates and the like are required rather than greenfield plantings. The Urban Forest tree audit to be undertaken will identify further opportunities within the city boundaries however, that will not be on the scale as the country plantings, nor will the trees produce an alternative income source for the city.

Schedule 2 provides a copy of an example report and photographs of the plantings in the wheat belt area at Koorda. It needs to be kept in mind that some of trees were only planted in 2012 therefore are immature in their size and growth. Reports are provided by the contractor Carbon Conscious on a regular basis as required in the contract.

FINANCIAL IMPLICATIONS:

An allocation of \$210,000 over two years commencing in the 2015/16 year has been budgeted. It is proposed to tender the planting of 85,000 trees in much the same manner as previous contracts. The mix where possible should be oil mallee for production purposes but also bio-diversity for improvement to agricultural land, flora and fauna habitat.

COMMENTS:

There are obvious benefits both economic and environmental for continuing the carbon off-set tree farming program. To reiterate some of those benefits will be:

- An alternative income source from the sale of harvested oils.
- A recognition of the inter-dependency of city and country Australians.
- An energy efficient production of oils.

- Improve the bird habitat; and flora species of native Australian plantings.
- Contribute to the limiting of global temperature rise.
- Off-set Carbon emissions from vehicles using the City of Perth car parks.

SCHEDULE 1

Photo 1



Photo 2



Photo 3



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Photo 4



Photo 5



Photo 6



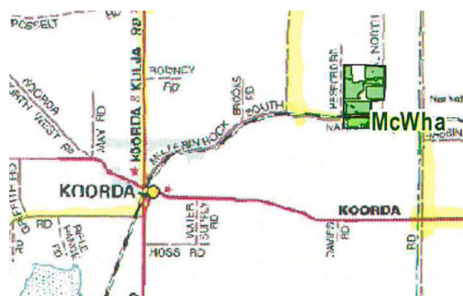
SCHEDULE 2



carbonconscious™

OPERATIONAL REPORT FOR CITY OF PERTH STAGE 2 PROJECT THE PERIOD ENDED 31 May 2015

Property	McWha
Location	Koorda
Report Number	6
Covers Period	01 Nov 2014 – 31 May 2015
Report Date	04 Jun 2015
CCF Rep	Daniel Hastie



Summary of Activities undertaken in the last 12 months

Property inspections completed in October and April.

Grazing of all compartments was carried out from 01Jul14 – 30Nov14, reducing fire fuel burden & weed competition for moisture.

Firebreaks were installed for the 2014/15 fire season.

Report Each Area for the period

Vermin	Small number of rabbit scratching's seen on western boundary. No damage to trees.
Weeds	Weed burden predominately consists of rye grass, raddish & capeweed. 50% ground cover, average height 0.1m.
Insects	5% of trees under attack by Spring beetle, (refer Photo Gallery – General). Level of damage does not warrant chemical treatment.
Health	2011 Kochii 0.4-2.3m, average 1.3m high. 70% of trees with 1-10cm fresh growth. Tree health is good, no signs of nutrient deficiency. Growth variance continues to be evident, due to natural variations in soil types and corresponding water availability.
Survival	Measured survival 95%. 2 tree deaths observed during April inspection. Isolated incidents, no further action required.
Fire Breaks	Maintenance period ceased 15Mar15. New fire breaks to be installed by 01Nov15.
Photos	Please see Photo Gallery.
Grazing	260hd, 01Jul14 – 30Nov14. Grazing has reduced fire fuel burden & weed competition for moisture.

Rainfall	(past year/past 6 months) 220.1mm /92.8mm - Results from Koorda BOM Weather station. (report period/historical average) 105.9mm/131.6mm
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Carbon Conscious City of Perth Operational Report



Operational activities	
Upcoming	Monitoring inspection October. Next report November 2015. Grazing in winter-spring.
Site Management	64,000L Fire Water on site for fire suppression. Property signs are in place & in good condition. A map tube is located adjacent to each property sign and is stocked with Fire Maps. Fences in good order on inspected areas.

Photo Gallery PS1



Photo Gallery **PS2**



Photo Gallery **PS3**



Photo Gallery **PS4**



Photo Gallery **General**



ITEM NO: 3

TENDER 105-14/15 – CONSTRUCTION – STREET ENHANCEMENT – MUSEUM STREET

RECOMMENDATION:

(APPROVAL)

That Council:

- 1. accepts the most suitable tender, being that submitted by Advantesting Civil Engineers, as the head contractor for the streetscape enhancement – Museum Street, at a lump sum price of \$1,863,890 (excluding GST) based on a maximum contract period of 6 months;***
- 2. notes that:***
 - 2.1 commencement on site is anticipated to be mid-July 2015;***
 - 2.2 the scope of works is fully coordinated with other Museum Street works to be undertaken by Main Roads Western Australia and the Water Corporation;***
 - 2.3 appropriate signage and communication about this significant City project in Museum Street will continue to be undertaken with stakeholders prior to works commencing on site.***

BACKGROUND:

FILE REFERENCE:	P1031491
REPORTING UNIT:	City Design
RESPONSIBLE DIRECTORATE:	City Planning and Development
DATE:	2 June 2015
MAP / SCHEDULE:	Schedule 3 – Concept Plan Stage 1 and 2 Schedule 4 – Comparative Price Schedule Confidential Schedule 5 – Evaluation Matrix for Tender 105-14/15 (distributed to Elected Members under separate cover)

At its meeting of **24 June 2014**, Council received a report containing the design concept for Museum Street Enhancement, as part of the Central Institute of Technology (CIT) Precinct Plan (refer to Schedule 3). The design concept was approved in a staged approach, and detailed documentation for stage 1 and 2 of works developed accordingly.

The above mentioned report also incorporated the feedback from relevant stakeholders, and the results of the three-week temporary place activation event held between **24 March and 11 April 2014** to trial urban design options.

The current package of enhancement works proposes the construction of Stage 1 – *Getting the Basics in Place*, and Stage 2 – *Consolidating the Basics* of Museum Street, on a maximum contract period of 6 months commencing mid-July 2015. The overall aim of the project is to significantly improve the public realm and create a more pedestrian-friendly ‘campus’ character, including:

- Prioritising pedestrians and cyclists, and signifying shared zones with a new coloured treatment to road and footpaths;
- Increasing the footpath widths and raising pedestrian crossing;
- Transplanting mature trees and planting street trees;
- Integrating street furniture, artwork and Wi-Fi;
- Upgrading street lighting and safety (CCTV); and
- Implementing traffic calming measures and a one-way road conversion.

The public artwork that forms an integral part of the Museum Street project will be implemented in two different stages, following further liaison and collaboration with the Central Institute of Technology (CIT). Provisions have been made within the current civil tender for:

- Stainless Steel Bollards included in the main package of works to be customised by CIT as part of the street artwork strategy; supply and installed by main Contractor;
- Interactive Art Wall brief to be further developed and an Expression of Interest to be advertised during 2015/16. The artwork power supply and liaison with artist has been included in this package of works.

This report provides recommendations following an assessment of tenders for Stages 1 and 2 of Museum Street Streetscape Enhancement constructions works.

LEGISLATION / STRATEGIC PLAN / POLICY:

Integrated Planning and Reporting Framework Implications

Corporate Business Plan

Council Four Year Priorities: Major Strategic Investments
S1 Ensure that major developments effectively
integrate into the city with minimal disruption and
risk.

IP3 Implementation of the central Institute of Technology Urban Design Master Plan in conjunction with the State Government and CIT

DETAILS:

A public invitation to tender was advertised on 22 April 2015. Five contractors attended the site briefing meeting held on 30 April 2015.

At tender closing of 14 May 2015, four submissions were received with Lump Sum prices (excluding GST) from the following companies:

Tenderer	Lump Sum Price (excluding GST)
Georgiou Group Pty Ltd	\$2,814,327.62
Civcon Civil & Project Management Pty Ltd	\$2,011,855.04
BCL Group Pty Ltd	\$1,744,995.92
Advanteering Civil Engineers	\$1,863,890.00

Schedule 4 shows a comparative price schedule of the four tenderers.

All tenders have been assessed in accordance with the selection criteria and were deemed conforming tenders. Subsequently, each of the tenders were initially assessed and scored against the qualitative criteria listed below:

- Relevant experience;
- Project appreciation and methodology;
- Management and personnel;
- Ability to meet the City's timeframe; and
- Quality control procedures & safety and risk management.

Advanteering, Civcon and Georgiou Group provided strong submissions. Each was able to demonstrate experience working within the confines of an urban environment with excellent references regarding former similar works. Each demonstrated a depth of understanding of the complexities of the works and the ability to deliver projects on time and within budget.

Advanteering

The tender submission from Advanteering included a methodology indicating a clear understanding of the extent of the works involved and ability to work within the expected programme. The intended approach and construction methodology demonstrated that crucial milestones would be addressed as per City's scope of works.

Civcon

The tender submission from Civcon included a methodology indicating a clear understanding of the extent of the works involved and ability to work within the expected program. However, by comparing the staging plan with the construction methodology, some contradictions were noted.

Georgiou Group

The tender submission from the Georgiou Group included a methodology indicating a clear understanding of the extent of the works involved, however the submission identified the impracticality to transplant the mature trees within the expected programme due to procurement lead time.

BCL Group

The tender submission from the BCL Group demonstrated experience in working within more suburban centres. The submission also indicated limited experience of the nominated staff. No staging plans were provided to demonstrate an understanding of the extent of the works and an ability to deliver the project within programme.

Following the assessments of tenders against the qualitative criteria, the tender submissions were ranked as follows:

Ranking of Tenders	Tenderer
1	Advanteering Civil Engineers
1	Civcon Civil & Project Management Pty Ltd
3	Georgiou Group Pty Ltd
4	BCL Group Pty Ltd

Assessment of Pricing

Prior to tendering the Museum Street project, consultants were engaged to provide a cost estimate for the works. The table below compares the pre-tender Opinion of Probable Cost (OPC) of \$1,834,753.87 (excluding GST) with tendered prices:

	Georgiou	Civcon	BCL	Advanteering
Tender Lump Sum	\$2,814,327.62	\$2,011,855.04	\$1,744,995.92	\$1,863,890.00
Variance to OPC	+53.39%	+9.65%	-4.89%	+1.59%

Conforming tenders were therefore anticipated to be within a variance of 10% of the pre-tender estimate and thus within a range of \$2,018,229 - \$1,651,278.

Georgiou's lump sum price was considered extremely high, with a variance of 53% higher than the City's estimate. The remaining three tender submissions were considered to be within acceptable limits.

The grouping of prices received from the industry represents an average value of \$1,873,660 (variance of 2.07%) indicating that following submitted prices were competitive:

Advanteering ranked first against selection criteria, the lump sum price being only 1.6 % higher than the City's estimate, therefore the overall tender was considered to offer best value for money.

Civcon also ranked first against selection criteria however the lump sum price was 9.65% higher than the City's estimate, thus by comparison the overall tender was not considered to offer best value for money.

The BCL Group submitted the lowest price with a variance of 4.89% below the City's estimate. Considering the tender submission ranked fourth against selection criteria it was considered a programme and budget risk for the City, not offering value for money.

FINANCIAL IMPLICATIONS:

ACCOUNT NO:	CW1534
BUDGET ITEM:	Central Institute of Technology Precinct Plan – Museum Street Project
BUDGET PAGE NUMBER:	18
BUDGETED AMOUNT 2015/16:	\$2,780,000
PROPOSED COSTS 2015/16:	\$ 1,863,890 (this tender)
BUDGET FOR PUBLIC ARTWORK:	\$ 325,000
OTHER ANTICIPATED COSTS:	\$ 585,543
BALANCE:	\$ 5,567

All figures quoted in this report are exclusive of GST.

COMMENTS:

Based on the qualitative ranking and assessment of tendered prices, the Tender Evaluation Panel determined that Advanteering Civil Engineers submitted the best value for money tender.

Acceptance of this tender represents a significant milestone in commencing works associated with the Central Institute of Technology Precinct Plan. It is anticipated that the City's works on Museum Street will commence as soon as practicable and after Water Corporation have completed their major upgrade of services.

It is further noted that stakeholder communication and site signage will be erected in Museum Street prior to city works occurring.

MUSEUM STREET

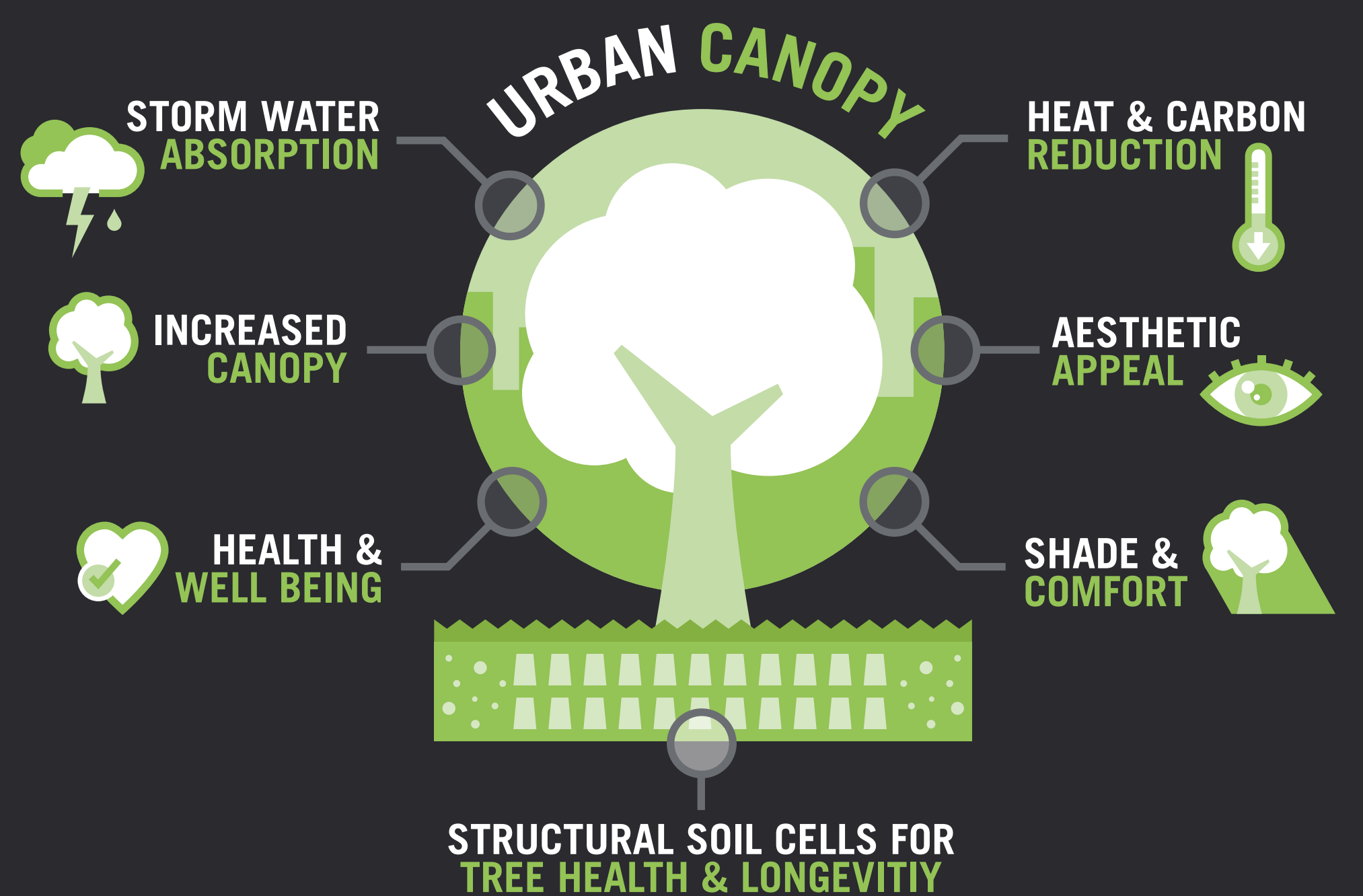
Stage 1



CONCEPT PLAN



X-SECTION / VIEW NORTH



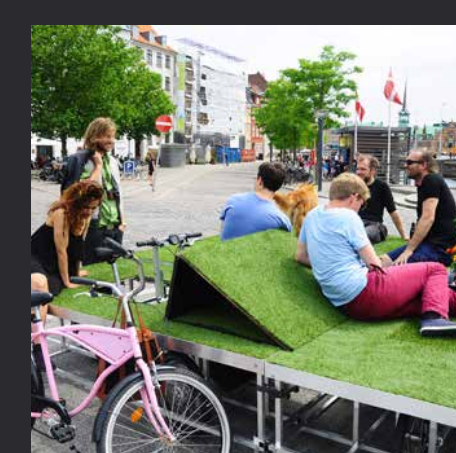
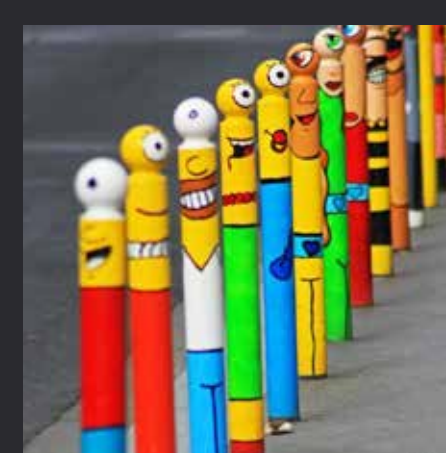
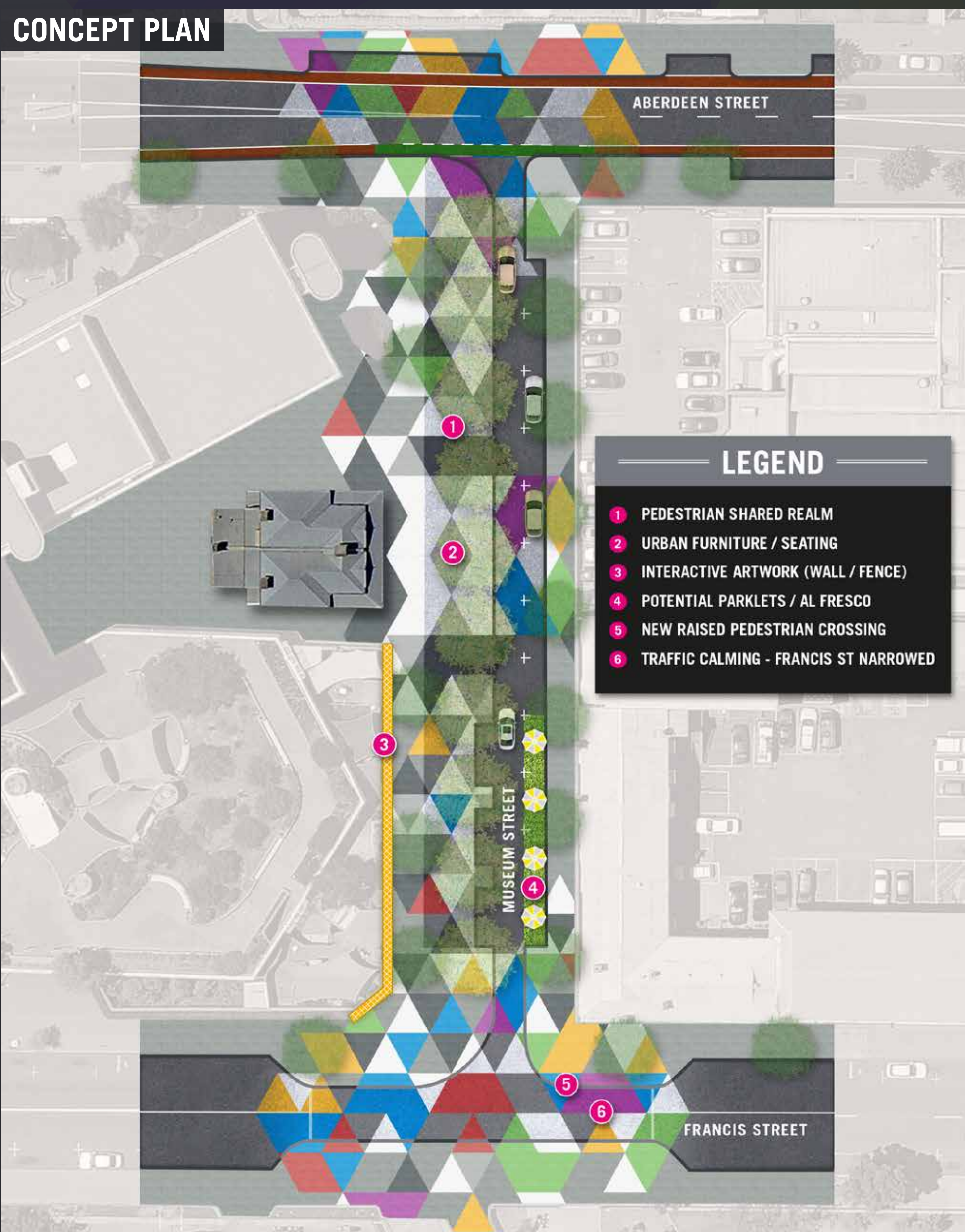
MUSEUM STREET

Stage 2



Future tree canopy size indicative only

CONCEPT PLAN



SCHEDULE 4

Evaluation Panel

Assessment of Tenders, Expressions of Interest and Formal Quotations

COMPARATIVE PRICE SCHEDULE OF SUBMISSIONS RECEIVED

Note: One panel member should be allocated the task of completing this Schedule. (Not normally be required for an EOI.)

Tender Number: 105 – 14/15

Lump Sum Cost

	Submission 1	Submission 2	Submission 3	Submission 4
Name:	Georgiou Group Pty Ltd	Civcon Civil & Project Management Pty Ltd	BCL Group Pty Ltd	Advanteering Civil Engineers
Total Lump Sum Price (Exc. GST)	\$2,814,327.62	\$2,011,855.04	\$1,744,995.92	\$1,863,890.00
Total Lump Sum Price (Inc. GST)	\$3,095,760.38	\$2,213,040.55	\$1,919,495.51	\$2,050,279.00
Settlement Discount % within days				

For further detail please see attached **Comparative Price Lump Sum Breakdown - Schedule A, Schedule B and Schedule C**

All evaluation panel members must sign off this sheet.

Name RITA SOUDO

Signature 

Date 27/05/2015

SCHEDULE 4

TENDER 105-14/15: ROADS - TENDERING - Construction - Street Enhancement – MUSEUM STREET

Evaluation Matrix - Price Schedules

SEPARATE PROTION A

General Items

	Georgiou	Civcon	BCL	Advanteering	CoP QS
1 Preliminaries	\$ 826,519.60	\$ 100,295.00	\$ 247,860.00	\$ 262,575.00	\$ 157,000.00
2 Traffic management	\$ 180,578.03	\$ 85,071.00	\$ 84,876.00	\$ 240,476.00	\$ 45,000.00
3 Service investigation / gas spotter	\$ 5,781.68	\$ 49,642.00	\$ 6,250.00	Included	\$ 9,000.00
4 Other items required for the completion of the whole project which are not mentioned	\$ 31,359.00	\$ 177,979.00	NA	NA	NA
TOTAL:	\$ 1,044,238.31	\$ 412,987.00	\$ 338,986.00	\$ 503,051.00	\$ 211,000.00

Demolition Works

1 Remove existing kerb and dispose	\$ 6,812.40	\$ 3,827.50	\$ 3,646.65	\$ 1,826.00	\$ 3,150.00
2 Remove crossover paving 300x200x70 at Francis Street and dispose	\$ 1,414.08	\$ 1,989.12	\$ 487.60	\$ 611.00	\$ 640.00
3 Remove existing footpath paving and dispose	\$ 17,985.33	\$ 9,301.80	\$ 8,509.43	\$ 3,428.00	\$ 10,275.00
4 Demolish existing asphalt and dispose	\$ 7,591.44	\$ 44,113.60	\$ 27,703.50	\$ 7,661.00	\$ 57,902.00
5 Remove existing ramp and dispose	\$ 4,833.30	\$ 1,464.00	\$ 1,279.95	\$ 594.00	\$ 2,250.00
6 Remove overflow pit and dispose	\$ 2,349.09	\$ 1,018.00	\$ 2,271.25	\$ 1,316.00	\$ 500.00
7 Remove existing bin and return to COP depot	\$ 645.38	\$ 244.00	\$ 448.50	\$ 807.00	\$ 720.00
8 Remove existing ticket machine and return to COP depot	\$ 1,688.96	\$ 398.00	\$ 1,765.25	\$ 476.00	\$ 744.00
9 Remove existing redundant traffic and parking signs, return to depot	\$ 10,908.13	\$ 648.00	\$ 1,725.00	\$ 2,478.00	\$ 4,000.00
10 Remove existing trees, including grates and pits	\$ 14,728.36	\$ 1,843.20	\$ 8,877.00	\$ 8,244.00	\$ 28,440.00
11 Remove existing tree stump on Aberdeen St (keep existing pit and grate).	\$ 1,303.50	\$ 68.00	\$ 1,034.00	\$ 902.00	\$ 800.00
12 Remove existing tree grates, frames and guards, and return to COP depot	\$ 6,031.16	\$ 1,783.10	\$ 517.50	\$ 1,389.00	\$ 1,750.00
13 Removal of CCTV camera pole on Francis St, including cables and pit (CCTV camera to be relocated to new Multifunction pole)	\$ 1,704.30	\$ 585.00	\$ 690.00	\$ 650.00	\$ 1,500.00
14 Provisional for removal of underground redundant services. Contractor to make allowance to remove 3 x ATCO gas pipes @ 10m lengths per span	\$ 10,040.70	\$ 244.00	\$ 3,450.00	\$ 5,611.00	\$ 6,000.00
Other items required for the completion of the whole project which are not mentioned	\$ 71,315.27	NA	NA	NA	NA
TOTAL:	\$ 159,351.40	\$ 67,527.32	\$ 62,405.63	\$ 35,993.00	\$ 118,671.00

Footpath Paving and Kerb

1 Lift and relay standard 400x400x60 city paver	\$ 59,603.36	\$ 41,656.68	\$ 31,038.50	\$ 29,396.00	\$ 71,390.00
2 Supply and install standard 400x400x60 city paver	\$ 41,003.19	\$ 39,602.40	\$ 52,474.62	\$ 46,948.00	\$ 46,065.00
3 Supply and install 150mm thick concrete slab 32Mpa, on 150mm limestone base.	\$ 155,105.64	\$ 162,804.40	\$ 78,694.50	\$ 102,363.00	\$ 149,375.00
4 Supply and install pedestrian pram ramp including tactile	\$ 5,756.76	\$ 5,607.00	\$ 3,960.60	\$ 5,376.00	\$ 7,800.00
5 Supply and Install 400x400x60 tactile paver at raised crossing	\$ 2,660.32	\$ 1,951.00	\$ 1,889.22	\$ 3,459.00	\$ 13,000.00
6 Supply and install in-situ 10m radius flush kerb	\$ 792.16	\$ 791.58	\$ 1,380.00	\$ 1,165.00	\$ 1,260.72
7 Supply and install precast concrete kerb:					
Barrier kerb Straight	\$ 18,300.48	\$ 18,133.87	\$ 19,470.00	\$ 49,437.00	\$ 23,788.26
Barrier kerb -1.5m radius convex	\$ 610.00	\$ 328.80	\$ 456.50	\$ 1,260.00	\$ 543.03
Flush kerb straight	\$ 4,852.40	\$ 4,773.52	\$ 5,016.00	\$ 13,250.00	\$ 6,253.02
0.55m radius kerb	\$ 762.50	\$ 686.00	\$ 638.00	\$ 1,490.00	\$ 1,050.00
8 Supply and install granite kerb and concrete footing (western footpath), supplier - Absolute Stone :					
Barrier kerb Straight	\$ 72,702.55	\$ 76,728.95	\$ 56,680.91	\$ 80,769.00	\$ 59,798.13
Barrier kerb – 6m Radius convex	\$ 8,155.42	\$ 6,930.13	\$ 6,194.02	\$ 7,346.00	\$ 3,748.52
Flush kerb Straight	\$ 6,550.20	\$ 5,839.44	\$ 4,889.57	\$ 6,408.00	\$ 2,665.93
Flush kerb – 6m radius convex	\$ 1,701.62	\$ 1,542.60	\$ 1,853.80	\$ 1,557.00	\$ 1,090.58
Flush kerb – 10m radius convex	\$ 13,612.96	\$ 13,286.60	\$ 10,870.95	\$ 13,216.00	\$ 9,116.68
Transition kerb – 6m radius convex Type A	\$ 5,069.88	\$ 820.80	\$ 3,519.69	\$ 1,016.00	\$ 496.00
Transition kerb – 6m radius convex Type B	\$ 3,379.92	\$ 820.80	\$ 4,259.31	\$ 1,016.00	\$ 496.00
Granite kerb - 0.55m radius	\$ 8,148.35	\$ 7,776.30	\$ 7,293.24	\$ 8,382.00	\$ 4,200.00
Lintel kerb	\$ 7,131.57	\$ 5,736.00	\$ 5,400.63	\$ 6,159.00	\$ 1,290.00
Other items required for the completion of the whole project which are not mentioned	\$ 12,350.84	NA	NA	\$ 1,110.00	NA
TOTAL:	\$ 428,250.12	\$ 395,816.87	\$ 295,980.06	\$ 381,123.00	\$ 403,426.87

Drainage

1 Supply and install ACO drain K2-010 Neutral Channel with 150mm thick concrete encasement	\$ 55,166.65	\$ 59,265.36	\$ 43,312.50	\$ 36,392.00	\$ 7,650.00
2 Supply and install ACO drain K2-902G in-line pit with 150mm thick concrete encasement	\$ 2,902.34	\$ 5,078.00	\$ 9,020.00	\$ 1,367.00	\$ 1,540.00
3 Supply and install grates for ACO drain and in-line pit – Iron Galvanized Intercept Heel Safe Anti-slip – Type 677Q (Class D)	Included	Included	Included	Included	\$ 46,500.00
4 Supply and install ACO drain Grated pit Type 45 pit - 450 x450 x600	\$ 1,196.09	\$ 334.00	\$ 1,378.30	\$ 1,687.00	\$ 290.00
5 Supply and install grate for grated pit – Galvanized Heel guard grate type 45 (Class B)	\$ 252.39	\$ 281.00	\$ 752.40	\$ 1,376.00	\$ 500.00
6 Supply and install end cap for Aco Drain	\$ 70.10	\$ 30.00	\$ 501.38	\$ 220.00	\$ 65.00
7 Supply and install 225mm dia RC pipe Class 4	\$ 14,794.20	\$ 3,775.66	\$ 4,587.58	\$ 5,067.00	\$ 4,170.00
8 Supply and install 225mm dia RC pipe Class 2	Rate only	\$ 3,750.32	Included	\$ 4,665.00	\$ 3,795.00
9 Supply and install 300mm dia RC pipe Class 2	\$ 7,749.60	\$ 3,892.56	\$ 20,345.34	\$ 4,783.00	\$ 9,962.00
10 Supply and install 225mm dia PVC pipe SN10	\$ 10,008.20	\$ 4,856.88	\$ 1,991.80	\$ -	\$ 5,460.00
11 Connections to structures	\$ 3,614.12	\$ -	\$ 4,600.00	\$ 9,072.00	\$ 1,800.00
12 Supply and install CoP standard gully pit and grate	\$ 4,288.18	\$ 3,705.00	\$ 3,386.23	\$ 2,957.00	\$ 2,800.00
TOTAL:	\$ 100,041.87	\$ 84,968.78	\$ 89,875.53	\$ 67,586.00	\$ 84,532.00

TENDER 105-14/15: ROADS - TENDERING - Construction - Street Enhancement – MUSEUM STREET

Evaluation Matrix - Price Schedules

	Georgiou	Civcon	BCL	Advanteering	CoP QS
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Road Works

1 Supply and lay black asphalt road reconstruction – 35mm @DG14, 30mm@ DG10 including 375mm of limestone base	\$ 78,081.46	\$ 108,390.26	\$ 78,712.44	\$ 97,981.00	\$ 174,420.00
2 Profile and resurfacing entire road with 30mm DG10	\$ 24,176.88	\$ 28,621.72	\$ 27,255.00	\$ 41,071.00	\$ 28,950.00
Other items required for the completion of the whole project which are not mentioned	\$ 39,050.63	NA	NA	NA	NA
TOTAL:	\$ 141,308.97	\$ 137,011.98	\$ 105,967.44	\$ 139,052.00	\$ 203,370.00

Street Furniture

1 Supply and install stainless steel bollards	\$ 14,568.66	\$ 29,806.00	\$ 14,857.25	\$ 18,340.12	\$ 16,020.00
2 Supply and install street furniture (Supplier – <i>Play in Art by Play Planet</i>):					
- Radiant Glow (\$15PIA01)	\$ 37,969.02	\$ 39,501.00	\$ 40,054.08	\$ 29,892.00	\$ 22,500.00
- Enjoy Glow (\$15PIA03)	\$ 40,705.23	\$ 41,988.00	\$ 42,824.59	\$ 31,424.00	\$ 22,500.00
- Initiative Glow (\$15PIA05)	\$ 29,400.42	\$ 28,992.00	\$ 30,238.34	\$ 24,510.00	\$ 15,000.00
- Genius Glow (\$15PIA06)	\$ 58,517.68	\$ 59,998.80	\$ 59,023.05	\$ 31,183.00	\$ 45,000.00
- Happier Glow (\$15PIA07)	\$ 42,015.72	\$ 43,179.00	\$ 44,421.04	\$ 33,052.00	\$ 22,500.00
3 Supply and install new stainless steel bicycle racks (D&C notes 8.9)	\$ 3,182.52	\$ 5,670.60	\$ 4,466.00	\$ 3,498.88	\$ 3,600.00
4 Supply and install parking signage pole and regulatory road signage pole, including concrete footing	\$ 4,357.20	\$ -	\$ -	\$ -	\$ 3,900.00
5 Other items required for the completion of the whole project which are not mentioned	NA	NA	NA	\$ 39,035.00	NA
TOTAL:	\$ 230,716.45	\$ 249,135.40	\$ 235,884.35	\$ 210,935.00	\$ 151,020.00

Electrical and lighting

1 Lump sum based on NDY electrical drawings and documentation	\$ 305,206.77	\$ 246,384.00	\$ 293,637.30	\$ 266,491.00	\$ 204,210.00
2 <i>Provisional</i> for Multifunction light pole footing engineering inspection certificate.	\$ 638.17	\$ 5,000.00	\$ 5,500.00	\$ 896.00	\$ 1,200.00
3 <i>Provisional</i> for temporary lighting if required. Allow for 10 days	\$ 7,626.70	Excluded	\$ 1,210.00	\$ 17,472.00	\$ 5,600.00
4 Relocate existing CCTV camera to new Multifunction pole.	Included	\$ 2,058.00	\$ 825.00	Excluded	\$ 1,500.00
TOTAL:	\$ 313,471.64	\$ 253,442.00	\$ 301,172.30	\$ 284,859.00	\$ 212,510.00

Landscape Works

1 Supply and install specified strata-vault tree pit including aeration pits and 2.0m stainless steel tree grates	\$ 118,334.44	\$ 138,428.00	\$ 173,283.12	\$ 102,609.00	\$ 193,435.00
2 Supply and install root barrier on strata-vault tree pit	Included	\$ 1,088.40	Included	Included	\$ 525.00
3 Supply and install standard tree pit including 1.2m stainless steel tree grates	\$ 32,037.53	\$ 72,256.50	\$ 46,795.20	\$ 27,138.00	\$ 25,000.00
4 Transportation and planting of specified semi-mature London Plane (trees are principal supplied item)	\$ 70,558.85	\$ 36,888.00	\$ 8,160.00	\$ 28,123.00	\$ 35,600.00
5 Transportation and planting of specified 100L London Plane (trees are principal supplied item, on Museum and Aberdeen St)	\$ 2,643.66	\$ 4,953.20	\$ 3,400.80	\$ 9,894.00	\$ 1,050.00
6 Transportation and planting of specified 200L Jacaranda Trees (trees are principal supplied item, on Francis St)	\$ 1,801.46	\$ 3,296.00	\$ 2,554.80	\$ 8,975.00	\$ 800.00
7 Supply and install new stainless steel tree grates to existing trees.	\$ 2,135.84	\$ 19,268.00	\$ 22,197.60	\$ -	\$ 12,500.00
8 Tree maintenance for 12 months as per tree specification, including watering, fertilizing and pruning.	\$ 23,562.92	\$ 42,803.00	\$ 2,364.00	\$ 4,480.00	\$ 3,500.00
TOTAL:	\$ 251,074.70	\$ 318,981.10	\$ 258,755.52	\$ 181,219.00	\$ 272,410.00

Sundries

1 Site preparation for StreetBond surface treatment (high pressure wash)	\$ 4,237.65	\$ 4,311.00	\$ 5,531.50	\$ 8,120.00	\$ 70,520.00
2 Modify existing ticket machine to match new footpath level.	\$ 712.74	\$ 809.00	\$ 1,725.00	\$ 426.00	\$ 1,229.00
3 Other items required for the completion of the whole project which are not mentioned	\$ 712.74	NA	NA	NA	NA
TOTAL:	\$ 5,663.13	\$ 5,120.00	\$ 7,256.50	\$ 8,546.00	\$ 71,749.00

Sub-Total Portion A	\$ 2,674,116.59	\$ 1,924,990.45	\$ 1,696,283.33	\$ 1,812,364.00	\$ 1,753,188.87
GST (10%)	\$ 267,411.66	\$ 192,499.05	\$ 169,628.33	\$ 181,236.40	\$ 175,318.89
Total GST Incl.	\$ 2,941,528.25	\$ 2,117,489.50	\$ 1,865,911.66	\$ 1,993,600.40	\$ 1,928,507.76

excludes CoP Staff time

SEPARATE PORTION B

General Items

1 Preliminaries	Included A	\$ 6,256.00	Included A	Included A	\$ 7,500.00
2 Traffic management	\$ 15,175.31	\$ 10,063.00	Included A	Included A	\$ 15,000.00
3 Service investigation / gas spotter	\$ 2,887.41	\$ 5,171.00	\$ 6,250.00	Included A	\$ 2,000.00
4 Other items required for the completion of the whole project which are not mentioned above	\$ 10,453.00	NA	NA	NA	\$ -
TOTAL:	\$ 28,515.72	\$ 21,490.00	\$ 6,250.00	\$ -	\$ 24,500.00

Drainage

1 Remove 2 overflow pits on Eastern footpath	\$ 4,698.18	\$ 1,749.00	\$ 1,551.35	\$ 2,016.00	\$ 1,000.00
2 Supply and install 300mm dia pipe, including reinstatement to existing.	\$ 71,940.47	\$ 34,283.19	\$ 17,631.34	\$ 15,480.00	\$ 29,355.00
3 Supply and install 450mm dia pipe, including reinstatement to existing.	\$ 10,177.18	\$ 4,507.40	\$ 3,393.42	\$ 9,286.00	\$ 4,810.00
4 Connections to structures	903.53	\$ 2,599.00	\$ 3,450.00	\$ 3,629.00	\$ 2,400.00
5 Supply and install CoP standard gully pit and grate	\$ 13,045.19	\$ 11,118.00	\$ 7,968.28	\$ 10,146.00	\$ 8,400.00
6 Supply and install CoP standard Manhole and grate	\$ 10,930.76	\$ 11,118.00	\$ 8,468.20	\$ 10,969.00	\$ 11,100.00
TOTAL:	\$ 111,695.31	\$ 65,374.59	\$ 42,462.59	\$ 51,526.00	\$ 57,065.00

Sub-Total Portion B	\$ 140,211.03	\$ 86,864.59	\$ 48,712.59	\$ 51,526.00	\$ 81,565.00
GST (10%)	\$ 14,021.10	\$ 8,686.46	\$ 4,871.26	\$ 5,152.60	\$ 8,156.50
Total GST Incl.	\$ 154,232.13	\$ 95,551.05	\$ 53,583.85	\$ 56,678.60	\$ 89,721.50

excludes CoP Staff time

TOTAL LUMP SUM (excluding GST)	\$ 2,814,327.62	\$ 2,011,855.04	\$ 1,744,995.92	\$ 1,863,890.00	\$ 1,834,753.87
GST (10%)	\$ 281,432.76	\$ 201,185.50	\$ 174,499.59	\$ 186,389.00	\$ 183,475.39
TOTAL LUMP SUM (Including GST)	\$ 3,095,760.38	\$ 2,213,040.54	\$ 1,919,495.51	\$ 2,050,279.00	\$ 2,018,229.26

excludes CoP Staff time

TENDER 105-14/15: ROADS - TENDERING - Construction - Street Enhancement – MUSEUM STREET
Evaluation Matrix - Price Schedules

	Georgiou	Civcon	BCL	Advanteering	CoP NDY
Schedule B - Electrical and lighting					
General/ set up	\$ -	\$ -	\$ 23,712.70	Included	\$ 3,000.00
Electrical supply & earthing	\$ 743.80	\$ 1,480.00	\$ 1,449.80	\$ 1,881.70	\$ 3,000.00
Main switchboard/ distribution switchboard	\$ 16,631.03	\$ 8,250.00	\$ 8,082.80	\$ 7,582.40	\$ 6,400.00
In ground conduit/ pit system					
Trenching	\$ -	\$ 8,082.00	\$ 50,107.20	\$ 24,766.56	\$ 16,400.00
Conduits/ pits	\$ 41,062.09	\$ 33,812.00	\$ 61,471.30	\$ 38,812.91	\$ 43,550.00
Backfill, completion	\$ 53,296.32	\$ -	\$ 14,630.00	Included	\$ 5,800.00
Lighting system					
Lighting column supply	CoP	CoP	CoP	CoP	\$ 50,080.00
Lighting column footings	\$ 23,158.24	\$ 25,908.00	\$ 25,390.20	\$ 14,128.80	\$ 8,000.00
Lighting column installation	\$ -	\$ 2,669.00	\$ 2,615.80	\$ 9,506.56	\$ 8,000.00
Luminaire supply	\$ 72,254.98	\$ 78,220.00	\$ 76,659.00	\$ 72,355.36	\$ 22,300.00
Luminaire installation	\$ 8,398.00	\$ 2,515.00	\$ 2,465.10	\$ 2,822.40	\$ 8,400.00
Aiming and adjustment	\$ -	\$ 1,684.00	\$ 1,650.00	NA	\$ 2,000.00
Socket outlets, 1 & 3-phase	\$ 14,694.50	\$ 969.00	\$ 949.30	\$ 8,513.31	\$ 2,240.00
Power to furniture	\$ 20,089.27	\$ 3,111.00	\$ 3,049.20	\$ 17,505.60	\$ 3,750.00
Power to artworks	\$ 15,422.90	\$ 1,684.00	\$ 1,650.00	NA	\$ 3,000.00
Communications services provision	\$ 14,475.54	\$ 65,510.00	\$ -	Excluded	\$ 12,000.00
Other (specify)	\$ 13,454.46	\$ 10,798.00	\$ 10,582.00	\$ 14,464.80	\$ 2,400.00
Other (specify)	\$ 199.15	\$ 2,121.00	\$ 2,079.00	\$ 52,941.00	\$ -
Operating and maintenance manual	\$ 5,862.40	\$ 1,629.00	\$ 1,593.90	\$ 1,209.60	\$ 1,390.00
Preventative maintenance	\$ 5,464.09	\$ -	\$ -	Excluded	\$ 1,250.00
Site allowance	\$ -	\$ -	\$ -	Excluded	\$ -
Overtime allowance	\$ -	\$ -	\$ -	Excluded	\$ 1,250.00
Prime cost sums	\$ -	\$ -	\$ -	Excluded	\$ -
Provisional sums	\$ -	\$ 5,000.00	\$ 5,500.00	Excluded	\$ -
Contingency sum	\$ -	\$ -	\$ -	Excluded	\$ -
Sub-Total	305,206.77	253,442.00	293,637.30	266,491.00	204,210.00
GST (10%)	30,520.68	25,344.20	29,363.73	26,649.10	20,421.00
Total GST Incl.	335,727.45	278,786.20	323,001.03	293,140.10	224,631.00

excludes CoP Staff time

	Georgiou	Civcon	BCL	Advanteering	CoP QS
Schedule C - Schedule of Rates					
Barrier kerb Straight	\$ 869.41	\$ 732.44	\$ 596.64	\$ 855.00	\$ 570.00
Barrier kerb – 1.5m Radius convex	\$ 1,323.58	\$ 1,110.90	\$ 456.50	\$ 534.00	\$ 620.00
Flush kerb Straight	\$ 620.11	\$ 503.90	\$ 407.46	\$ 553.00	\$ 230.00
Flush kerb – 10m radius convex	\$ 966.56	\$ 857.20	\$ 679.43	\$ 855.00	\$ 590.00
Transition kerb –Type A	\$ 959.94	\$ 1,026.00	\$ 3,519.69	\$ 1,016.00	\$ 620.00
Transition kerb –Type B	\$ 1,169.58	\$ 1,026.00	\$ 2,129.66	\$ 1,016.00	\$ 620.00
Granite kerb - 0.55m radius	\$ 1,322.43	\$ 1,110.90	\$ 1,800.21	\$ 1,197.50	\$ 600.00

excludes CoP Staff time

Tenderer	Selection Criteria Rank	Lump Sum (Excluding GST)	Lump Sum Comparison with COP QS	Comparison with lowest
BCL Group Pty Ltd	3	\$ 1,744,995.92	\$ 89,757.95	-4.89%
Advanteering Civil Engineers	1	\$ 1,863,890.00	\$ 29,136.13	1.59%
Civcon Civil & project Management Pty Ltd	1	\$ 2,011,855.04	\$ 177,101.17	9.65%
Georgious Group Pty Ltd	2	\$ 2,814,327.62	\$ 979,573.75	53.39%
City of Perth QS Report		\$ 1,834,753.87		

CONFIDENTIAL SCHEDULE 5
ITEM 3 – TENDER 105-14/15 – CONSTRUCTION –
STREET ENHANCEMENT – MUSEUM STREET

FOR THE WORKS AND URBAN DEVELOPMENT
COMMITTEE MEETING

16 JUNE 2015

DISTRIBUTED TO ELECTED MEMBERS UNDER
SEPARATE COVER

CONFIDENTIAL ITEM NO: 4

PERTH CONVENTION AND EXHIBITION CENTRE CAR PARK – PAVEMENT SETTLEMENT UPDATE

RECOMMENDATION:

(APPROVAL)

That Council:

- 1. notes that the ground settlement conditions at the Convention Centre car park continue to cause customer safety and operational concerns;***
- 2. authorises the Chief Executive Officer to negotiate with builders of the complex PCEC Centre Pty Ltd to determine a suitable solution to the settlement issue for the remainder of the 99 years lease period; and***
- 3. notes that at the conclusion of the negotiations, a report will be presented to Council for determination.***

BACKGROUND:

FILE REFERENCE:	P101924
REPORTING UNIT:	City Infrastructure & Enterprises
RESPONSIBLE DIRECTORATE:	City Infrastructure & Enterprises
DATE:	4 June 2015
MAP / SCHEDULE:	N/A

In accordance with Section 5.23(2)(d) of the *Local Government Act 1995*, this item is confidential and will be distributed to the Elected Members under separate cover.