



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, 19 January 2016 at 5.30pm.**

Yours faithfully

GARY STEVENSON PSM  
CHIEF EXECUTIVE OFFICER

14 January 2016

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**Committee Members:**

**Members:**

Cr Limnios (Presiding Member)  
The Lord Mayor  
Cr McEvoy

**1<sup>st</sup> Deputy:**

Cr Harley

**2<sup>nd</sup> Deputy:**

Cr Chen

Please convey apologies to Governance on 9461 3250  
or email [governance@cityofperth.wa.gov.au](mailto: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.



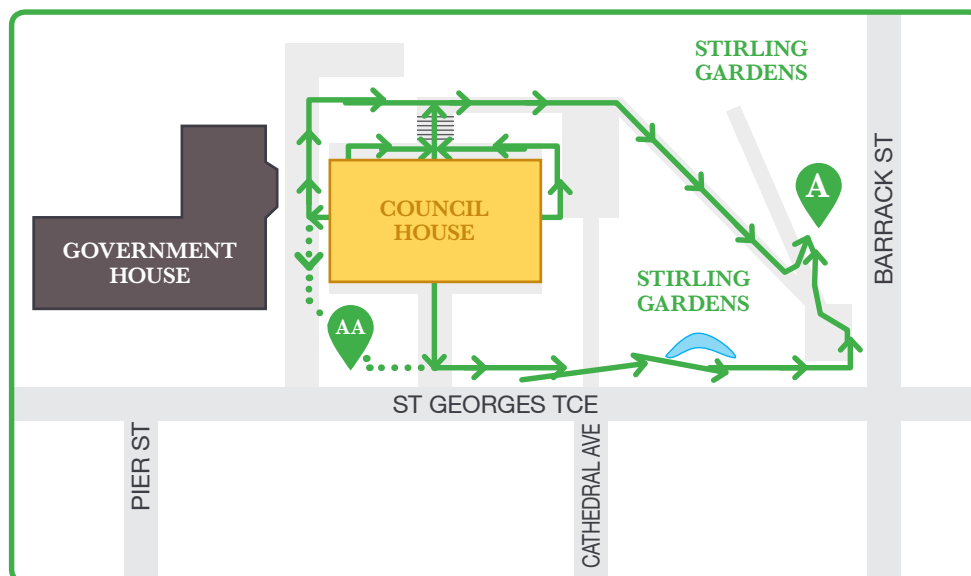
## EVACUATION ALARM/PROCEDURES

**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 2015)

<b>Members:</b>	<b>1<sup>st</sup> Deputy:</b>	<b>2<sup>nd</sup> Deputy:</b>
Cr Limnios (Presiding Member) The Lord Mayor Cr McEvoy	Cr Harley	Cr Chen

**Quorum:** Two

**Expiry:** October 2017

**TERMS OF REFERENCE:** OCM 24/11/15

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. oversight of the implementation of the Lighting Strategy;
4. waste management.

**This meeting is not open to members of the public**

**WORKS AND URBAN DEVELOPMENT  
COMMITTEE  
19 JANUARY 2016**

**ORDER OF BUSINESS**

- 1. Declaration of Opening**
- 2. Apologies and Members on Leave of Absence**
- 3. Confirmation of Minutes – 10 November 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**
  - 8.2. New General Business**

Nil
- 9. Items for Consideration at a Future Meeting**

**Outstanding Reports:**

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

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# ITEM NO: 1

## TENDER 017-15/16 CONCRETE EXPOSED AGGREGATE SLABS

**RECOMMENDATION:**

**(APPROVAL)**

***That Council:***

- 1. accepts the most suitable tender, being that submitted by Urbanstone Pty Ltd, for the manufacture and delivery of concrete exposed aggregate slabs for a period of two years commencing 15 February, 2016 with an option to extend for a further two years in accordance with Schedule 1 – Comparative Schedule of Rates;***
- 2. authorises the Chief Executive Officer to execute and vary the Tender Contract.***

### **BACKGROUND:**

FILE REFERENCE:	P1031829
REPORTING UNIT:	Street Presentation and Maintenance
RESPONSIBLE DIRECTORATE:	Construction and Maintenance
DATE:	16 December 2015
MAP / SCHEDULE:	Schedule 1– Comparative Schedule of Rates Confidential Schedule 2 – Tender Evaluation Matrix (Distributed to Elected Members under separate cover)

Tender 017–15/16 Concrete Exposed Aggregate Slabs was advertised in the West Australian on Wednesday, 26 August 2015. Tenders closed at 2.00pm on Thursday, 17 September 2015, with the following tenders received:

- Bonita Stone Pty Ltd.
- Zealous Resources Pty Ltd trading as Freo Stone Paving.
- Boral Bricks Western Australia Pty Ltd trading as Midland Brick.
- Urbanstone Pty Ltd.

Concrete exposed aggregate slabs are utilised throughout the city for footpaths and pedestrian ways. This tender was for the ‘City Grey’ 400x400mm and 400x200mm slab common throughout the municipality. In any given year the City of Perth replaces between 10,000m<sup>2</sup> and 18,500m<sup>2</sup> of footpaths typically utilising this paver and generally following 20 to 30 years of useful life.

## LEGISLATION / STRATEGIC PLAN / POLICY:

**Legislation**                      Section 3.57 of the *Local Government Act 1995*  
Part 4 of the *Local Government (Functions and General)*  
*Regulations 1996*

**Integrated Planning and Reporting Framework Implications**      **Strategic Community Plan**  
Council Four Year Priorities: Living in Perth  
S9              Promote and facilitate CBD living

### Policy

Policy No and Name:      9.7 – Purchasing Policy

## DETAILS:

Tenderers were required to address the selection criteria in the specification in detail to demonstrate both their experience and ability to manufacture and supply concrete exposed aggregate slabs and to submit a Form of Tender that included a Schedule of Rates.

The criteria were:

- Experience;
- Support Resources;
- Program of Works; and
- Quality Control.

The four submissions were assessed and ranked according to the criteria with particular emphasis on experience and quality control. Each submission was assessed individually and ranked in order of merit against the qualitative criteria.

Based on the selection criteria the submissions were ranked as follows:

1.      Freo Stone

This company provided a fair submission almost meeting criteria. The company has supplied pavers for several large projects including the redevelopment of Great Eastern Highway, Belmont. The company failed to provide referees while the paver profile was not to specification.

2.      Urbanstone

Urbanstone's submission was considered fair with some minor deficiencies. The company failed to provide any information regarding the program of works and did not supply referees. Urbanstone afforded a comprehensive listing of current and past supply contracts and are the City of Perth's current supplier.

3. Midland Brick

A previous supplier to the City for this product, Midland Brick supplied a fair offer with some deficiencies. The company failed to provide referees and did not list supply contracts, either past or present. The company has recently installed new machinery used for the production of exposed aggregate pavers and provided the second cheapest pricing for year one of the contract.

4. Bonita Stone

This company provided a marginal offer with various deficiencies. The offer did not provide any detail on specific projects, minimal information relating to both support resources and quality control and were the most expensive as supported in Schedule 1.

Overall, all submissions had deficiencies of varying degrees with each one unable to fully meet or exceed any of the criteria. In addition, none could meet a minor requirement in the specification which, in future tender specifications, will be amended to better reflect current resource availability.

**FINANCIAL IMPLICATIONS:**

ACCOUNT NO:	Various Capital Accounts
BUDGET ITEM:	Transport – Streets, Roads, Bridges, Depots
BUDGET PAGE NUMBER:	17
BUDGETED AMOUNT:	\$4,945,158
AMOUNT SPENT TO DATE:	\$1,842,380
PROPOSED COST:	\$ 775,000
BALANCE:	\$2,327,778

ANNUAL MAINTENANCE:	Not Applicable
ESTIMATED WHOLE OF LIFE COST:	Not Applicable

ACCOUNT NO:	Various Operational Accounts
BUDGET ITEM:	Transport – Streets, Roads, Bridges, Depots
BUDGET PAGE NUMBER:	11
BUDGETED AMOUNT:	\$2,329,685
AMOUNT SPENT TO DATE:	\$1,201,023
PROPOSED COST:	\$ 75,000
BALANCE:	\$1,053,662

ANNUAL MAINTENANCE:	Not Applicable
ESTIMATED WHOLE OF LIFE COST:	Not Applicable

All figures quoted in this report are exclusive of GST.

Pricing quoted by the recommended supplier for Year One represents a 2.5% decrease over current contracted pricing.



**COMMENTS:**

Both Urbanstone and Midland Brick have satisfactorily supplied concrete exposed aggregate pavers to the City under former contractual arrangements and, while neither provided a submission fully meeting criteria, previous experience indicates either one would be capable of fulfilling the requirements of the contract. Freo Stone could not be considered further due their inability to provide the City with a slab matching the current profile as detailed in the specifications while Bonita Stone's pricing was uncompetitive.

As evidenced in Schedule 1, the pricing offered by Urbanstone is overall more cost competitive than those offered by any other supplier. It is therefore recommended Urbanstone Pty Ltd be appointed to manufacture and supply concrete exposed aggregate slabs effective from 15 February 2016 for a period of two years with the option to extend for a further two years.

# SCHEDULE 1

## TENDER 017-15/16 SUPPLY AND DELIVERY OF CONCRETE EXPOSED AGGREGATE SLABS

### COMPARATIVE SCHEDULE OF RATES

	Bonita Stone			Freo Stone			Midland Brick			Urbanstone		
	0 - 10,000	10,001 - 30,000	30,001 +	0 - 10,000	10,001 - 30,000	30,001 +	0 - 10,000	10,001 - 30,000	30,001 +	0 - 10,000	10,001 - 30,000	30,001 +
<b>YEAR 1</b>												
400 x 400	\$12.90	\$12.40	\$12.40	\$8.15	\$8.15	\$8.15	\$8.05	\$8.05	\$8.05	\$7.87	\$7.87	\$7.87
400 x 200	\$7.40	\$6.90	\$6.90	\$4.90	\$4.90	\$4.90	\$4.53	\$4.53	\$4.53	\$4.55	\$4.55	\$4.55
<b>YEAR 2</b>												
400 x 400	\$13.20	\$12.70	\$12.70	\$8.15	\$8.15	\$8.15	\$8.29	\$8.29	\$8.29	\$8.07	\$8.07	\$8.07
400 x 200	\$7.60	\$7.10	\$7.10	\$4.90	\$4.90	\$4.90	\$4.66	\$4.66	\$4.66	\$4.78	\$4.78	\$4.78
<b>YEAR 3</b>												
400 x 400	\$13.50	\$13.00	\$13.00	\$8.65	\$8.65	\$8.65	\$8.53	\$8.53	\$8.53	\$8.27	\$8.27	\$8.27
400 x 200	\$7.80	\$7.30	\$7.30	\$5.20	\$5.20	\$5.20	\$4.80	\$4.80	\$4.80	\$4.78	\$4.78	\$4.78
<b>YEAR 4</b>												
400 x 400	\$13.80	\$13.30	\$13.30	\$8.65	\$8.65	\$8.65	\$8.78	\$8.78	\$8.78	\$8.48	\$8.48	\$8.48
400 x 200	\$8.00	\$7.50	\$7.50	\$5.20	\$5.20	\$5.20	\$4.95	\$4.95	\$4.95	\$4.90	\$4.90	\$4.90

SCHEDULE 1

**CONFIDENTIAL SCHEDULE 2**  
**ITEM 1 – Tender 017-15/16 – Concrete Exposed Aggregate  
Slabs**

**FOR THE WORKS AND URBAN DEVELOPMENT  
COMMITTEE MEETING**

**19 JANUARY 2016**

**DISTRIBUTED TO ELECTED MEMBERS UNDER  
SEPARATE COVER**

## ITEM NO: 2

### TENDER 040-15/16 – LIFT AND RE-LAY OF GRANITE PAVING IN MURRAY STREET MALL

**RECOMMENDATION:**

**(APPROVAL)**

***That Council:***

- 1. accepts the most suitable Tender, being that submitted by Pave WA and Access Brick Paving Co (known as Access/Pave WA), for the Lift and Re-Lay of Granite Paving in Murray Street Mall (Tender 040-15/16) which includes:***
  - 1.1 an estimated cost of \$605,910 for the Lift and Re-lay of the Murray Street Mall paving; and***
  - 1.2 traffic management costs as required;***

***in accordance with the Schedule of Rates as detailed in Schedule 4 (A, B and C);***
- 2. notes that a Communications Strategy with stakeholders will be enacted prior to the commencement of works;***
- 3. notes that a project contingency cost of \$80,000 for paver replacement has been included if needed.***

#### **BACKGROUND:**

FILE REFERENCE: P1032124  
RESPONSIBLE BUSINESS UNIT: Street Presentation & Maintenance  
RESPONSIBLE DIRECTOR: Director Construction and Maintenance  
DATE: 5 January 2016  
MAP / SCHEDULE: Schedule 3 – Quantitative Assessment  
Schedule 4 (A, B and C) – Schedule of Rates  
Schedule 5 – Photographs  
Confidential Schedule 6 – Tender Evaluation Matrix  
(Distributed to Elected Members under separate cover)

FILE REFERENCE: P1032124

The existing granite paving in the Murray Street Mall was installed approximately eight years ago. The paving is now showing signs of displacement, broken pavers, settlement, and in some cases, the pavers have been dislodged creating gaps and

trip hazard for pedestrians. Schedule 5 provides photographs detailing the areas of concern.

The project is in accordance with the principles of the Asset Management Plan (AMP). The AMP proposes footpaths in the inner city be lifted and re-laid approximately every five to ten years. Each project is confirmed by site inspection. Heavy pedestrian use, coupled with city presentation, pedestrian comfort and trip hazards drive this requirement as well as the underground service work which disturbs the pavers and impacts on reinstatement quality.

From the condition inspection of the Hay and Murray Street Malls, the defects identified were gaps between the pavers, misalignment, chipped, cracked, dislodged and sunken pavers (refer to Schedule 5).

Following the inspection, it was considered whether lifting and re-laying of the entire Murray Street Mall should occur, or should the work be undertaken only on the worst sections. However, with increasing defects and the difficulty to match alignment and pattern of these sections with existing paving, it would be preferable to lift and re-lay the entire Murray Street Mall. Lifting and re-laying will also improve on the aesthetic appearance of the surface.

In excess of \$237,000 has been spent on maintenance of the pavement surface in Murray Street Mall since 2010 and annual repair costs are escalating. Therefore, it is considered to be more economical to undertake a complete lift and re-lay except paving around trees and the drainage channel, both of which are in good condition. Annual maintenance costs are estimated at \$40,000 to \$50,000 for 2015/16. These costs will reduce to \$5,000 to \$10,000 per annum if the project is completed.

The estimated useful life of granite pavers in the Hay and Murray Street Malls is 25 years and is thus 32% through its design life. Due to heavy pedestrian traffic in the malls and to maintain the surface to a high standard, substantial maintenance is required. The initial cost of construction was \$3.99 million. The proposed cost of \$605,910 is for the lift and re-lay proposal which is approximately 15% of the original cost. A further \$80,000 contingency cost has been included for replacement of broken and damaged pavers if required.

The objective of this Tender is to engage a Contractor for this specialised work not covered by any of the current maintenance contracts. The company is required to lift existing granite pavers, correct the sand bedding and re-lay pavers, realign any pavers which may have been dislodged, replace broken or cracked pavers and also re-levelling the surface. Particular attention is to be given to service access pits around which settlement occurs.

It is planned for the work to be undertaken at night with full re-instatement each morning. As a consequence, there will be little disruption to the shop and business owners who will be informed well prior to any work commencing. The work is planned to commence in February 2016 as February, March and April are the quietest time in this area of the city for this type of work. In discussion with the Marketing and Events Unit, the period from early February, is the ideal time, taking into account the undesirability of construction activities during the winter months.

It will be imperative to close the gaps between pavers to an acceptable tolerance. When the granite was first installed, the dimensional inconsistency was cause for concern and a challenge to the contractor. The new work will require additional effort, the re-cut of some header pavers and use of construction joints to compensate.

Grouting of the joints between pavers has been considered. Provided the pavers are laid in close contact, grouting will not be necessary. The process and effectiveness of grouting would be limited in effectiveness in that the Murray Street Mall pavement is not founded on a concrete slab; unlike, for instance, the St Georges Terrace footpath. Therefore, some movement of pavers will be expected with resulting grout breakdown.

Communication with users and business owners / operators will be essential. The bulk of the work will be night-based, nevertheless, limited disruption may occur; for example, weather conditions. Pre-notice, program of work, reasons why the work is being undertaken will be provided to all affected stakeholders.

Preliminary email notices to property owners/operators in the Murray Street Mall will be sent in February 2016. More detailed communications regarding timing, work methodologies, and contact persons and will be distributed well in advance of the project commencing. The City of Perth will be carrying out a letter drop in the first instance with stakeholders, followed by face to face visits to the businesses in the same way as it was carried out in 2015 during the Hay Street Mall Lift and Re-lay.

It is acknowledged that future state infrastructure and construction works may result in construction activity in Murray Street, within the projected service life of the relayed pavement.

## **LEGISLATION / STRATEGIC PLAN / POLICY:**

**Legislation**                      3.57 of the *Local Government Act 1995*  
Part 4 of the *Local Government (Functions and General)*  
*Regulations 1996*

**Integrated Planning and Reporting Framework Implications**      **Strategic Community Plan**  
Council Four Year Priorities: Living in Perth  
S9              Promote and Facilitate CBD Living.

**Policy**  
Policy No and Name:      9.7 – Purchasing Policy

## **DETAILS:**

Tender 040-15/16 – Lift and Re-lay of Granite Paving in Murray Street Mall was advertised in The West Australian newspaper on Saturday, 7 November 2015.

Following advertising, a pre-tender inspection was undertaken on Wednesday, 18 November 2015 to provide more clarity to potential tenderers of the City of Perth's expectations about the scope of the project and also provided an opportunity to ask any questions related to the tender. Six companies attended the site inspection.

At close of tender at 2.00pm on Tuesday, 24 November 2015, five tenders were received from the following companies:

- Menchetti Consolidated;
- Access/Pave WA;
- HCC Australia;
- BCL Group; and
- Civil & Pipeline.

Tenderers were required to address the following selection criteria in the specifications, in detail, to demonstrate their experience and ability to undertake the works:

- Methodology and Scope of Works;
- Relevant Experience;
- Safety Management Expertise; and
- Resources – Manpower Histogram, Plant and Equipment.

Each submission was assessed individually and ranked in order of merit against the quantitative criteria with particular emphasis on methodology and relevant experience with similar work.

The qualitative assessment resulted in the following ranking:

1. Menchetti Consolidated;
2. Access/Pave WA;
3. HCC Australia;
4. BCL Group; and
5. Civil & Pipeline.

A quantitative assessment was also undertaken for the following parameters:

- The proposed methodology outlining clearly the total area to be lifted and relayed every night;
- Proposed duration of works;
- The total value for lift and re-lay; and
- Proposed manpower.

Refer to Schedule 3 for details regarding the quantitative assessment.

## **Menchetti Consolidated**

Menchetti Consolidated submitted a concise offer with informative responses to all criteria. The tender evaluation panel considered this submission to be conforming in four areas.

The company demonstrated relevant experience reaching a high score in this criterion and have submitted explanation of its proposed methodology to undertake the works. The other two criterions were met as Menchetti demonstrated safety management expertise and submitted a list of resources and personnel with relevant experience in similar projects. The proposed productivity is in line with the City of Perth's expectations for a project of these characteristics and the timeframe of 62.5 days is viewed favourably.

## **Access/Pave WA**

Access/Pave WA submission was considered to be a thorough and concise offer with supportive documentation and met three criteria with only one below expectation due to no presentation of the requested histogram. The company has indicated that if successful, it would complete the project with its own resources (not sub-contractors) and submitted clear methodology and scope of works.

The company has also included in its tendered lump sum price the sealing of new pavers in case the City of Perth decides to proceed with the sealing.

## **HCC Australia**

The submission from HCC Australia contained a few deficiencies and only one criterion was met as the company demonstrated relevant experience. It was considered that it almost met the other three criteria and were just below the mark for a good offer. A general concern for the tender evaluation panel is the number of people nominated to undertake the works which for this company is 5 employees.

The tender evaluation panel considers that in accordance with previous similar projects the proposed manpower number is quite low for the type of works, considering the time constraints and particularities of the area in which the works need to be done.

## **BCL Group**

The submission from BCL Group did not meet any of the four criteria with low scores particularly in three of them: methodology, relevant experience and resources. Only one criterion had a reasonable score being the safety management expertise.

The tender evaluation panel considered that this Tenderer could not demonstrate the capability to fulfil the criteria for this project.



## **Civil & Pipeline**

Civil & Pipeline offer did not meet any of the four criteria with very low scores particularly in three of them: safety management, relevant experience and resources. Only one criterion had a few deficiencies being the methodology and scope.

The panel considered that this Tenderer could not demonstrate the capability to fulfil the criteria for this project.

### **FINANCIAL IMPLICATIONS:**

ACCOUNT NO:	CL 71046210 – 7260
BUDGET ITEM:	Other Community Amenities
BUDGET PAGE NUMBER:	9 (Statement of Operating Expenditure)
BUDGETED AMOUNT:	\$900,000
AMOUNT SPENT TO DATE:	\$ 0
PROPOSED COST:	\$605,910 (Lift and Re-lay of pavers) \$ 80,000 (contingency)
BALANCE:	\$214,090
ANNUAL MAINTENANCE:	\$ 10,000
ESTIMATED WHOLE OF LIFE COST:	Maintenance Project

All figures quoted in this report are exclusive of GST.

### **COMMENTS:**

At the conclusion of the tender evaluation process, three Tenderers were deemed to have submitted conforming Tenders. Only one of the Companies, Menchetti Consolidated, met all four criteria. Access/Pave WA met three of the four criteria and was marginally below in one criterion. The third conforming Tender had only met one criterion and was marginally below in the other three criteria being HCC Australia.

Menchetti Consolidated has demonstrated compliance with all parameters. However, the total cost of its proposed Schedule of Rates is considerably higher.

HCC Australia proposal raises a big concern as they have stated to have five employees for the duration of the project and the Panel agreed that this in particular, is a very low workforce to undertake the whole project in a timely manner. The rates are also in most cases considerably lower being half of what could be considered normal for a project of this nature.

Access/Pave WA submission has included all the main activities/items that the City has asked for and it is a current contractor of the City. This company has also done a few repairs in Hay and Murray Street Malls and has demonstrated first-hand knowledge of the works to be done. The total cost of its proposal, excluding

provisional items, is 22% lower than the next ranked contender, Menchetti Consolidated.

The City of Perth undertook a similar project for the Hay Street Mall and the rates for lifting and re-laying of pavers, traffic management, and provisional items are comparable to those with the recommended Tenderer for the Murray Street Mall project.

Access/Pave WA are considered to be the most suitable candidate with the capability of fulfilling the obligations required under the tender specifications. It is therefore recommended that Access/Pave WA be awarded the tender for the Lift and Re-lay of Granite Paving in Murray Street Mall (Tender 040-15/16) in accordance with the Schedule of Rates detailed in Schedule 4 (A, B and C).

### SCHEDULE 3

Parameters Evaluated	MG Group		Access/Pave WA			HCC Australia			BCL Group			Civil & Pipeline			
	YES	NO	Comments	YES	NO	Comments	YES	NO	Comments	YES	NO	Comments	YES	NO	Comments
Tender Value of Schedule of Rates Items (other than Provisional):	✓		\$770,447.00 Excluding GST			\$605,910.00 Excluding GST			\$348,264.00 Excluding GST			\$580,991.88 Excluding GST			\$854,610.00 Excluding GST
From Schedule A The Tenderer shall provide its proposed methodology outlining clearly the total area to be lifted and relayed every night.	✓		Included clear methodology and scope of works.	✓		Included methodology and scope of works.	✓		Methodology included, but a concern raises as they have proposed only 5 people to do the works.	✓		Methodology included. A concern raises as they said that some working hours outside the COP established ones may be necessary, which is not acceptable.	✓		Brief details of methodology and scope provided.
From Schedule A Provide a histogram (weekly view) showing the proposed manpower	✓		Histogram has been included.		X	No histogram.	✓		Histogram has been included.		X	No histogram provided.		X	No histogram provided
* Proposed area of <u>footpath</u> pavers to be lifted and relayed every night/shift:	✓		100 m <sup>2</sup> per night/shift	✓		90 - 100 m <sup>2</sup> per night/shift	✓		72 - 141 m <sup>2</sup> per night/shift combined for both: footpath and road pavers	✓		From program of works we can assume 140.5 m <sup>2</sup> per night/shift combined for both: footpath and road pavers	✓		90 - 100 m <sup>2</sup> per night/shift combined for both: footpath and road pavers
* Proposed area of <u>road</u> pavers to be lifted and relayed every night/shift:	✓		100 m <sup>2</sup> per night/shift	✓		130 - 150 m <sup>2</sup> per night/shift	✓		72 - 141 m <sup>2</sup> per night/shift combined for both: footpath and road pavers	✓		From program of works we can assume 140.5 m <sup>2</sup> per night/shift combined for both: footpath and road pavers	✓		90 - 100 m <sup>2</sup> per night/shift combined for both: footpath and road pavers
* Proposed duration of works	✓		62.25 days	✓		55 days	✓		60 days	✓		8 weeks = 40 days for lift and relay plus 19 additional days extras	✓		56.2 - 62.4 days

SCHEDULE 3

# SCHEDULE 4

- 2 -

## LIFT AND RELAY OF GRANITE PAVING IN MURRAY STREET MALL - TENDER NO. 040 - 15/16

### SCHEDULE A - LIFT AND RELAY RATES

ITEM	DESCRIPTION/ACTIVITY	UNIT	QTY	MENCHETTI CONSOLIDATED		ACCESS/PAVE WA		HCC AUSTRALIA		BCL GROUP		CIVIL & PIPELINE	
				RATE	TOTAL	RATE	TOTAL	RATE	TOTAL	RATE	TOTAL	RATE	TOTAL
1	Rectification of pit lids (450 x 450 mm) - Including: re-levelling with cement bed, and re-cutting of any 148 x 148 pavers to keep to bond the existing paving as per D&C notes 10.11	No	57	\$ 210.00	\$ 11,970.00	\$ 350.00	\$ 19,950.00	\$ 150.00	\$ 8,550.00	\$ 472.50	\$ 26,932.50	\$ 135.00	\$ 7,695.00
2	Rectification of pit lids (480 x 480 mm) - Including: re-levelling with cement bed, and re-cutting of any 148 x 148 pavers to keep to bond the existing paving as per D&C notes 10.11	No	3	\$ 215.00	\$ 645.00	\$ 350.00	\$ 1,050.00	\$ 150.00	\$ 450.00	\$ 472.50	\$ 1,417.50	\$ 144.00	\$ 432.00
3	Rectification of pit lids (515 x 290 mm) - Including: re-levelling with cement bed, and re-cutting of any 148 x 148 pavers to keep to bond the existing paving as per D&C notes 10.11	No	1	\$ 240.00	\$ 240.00	\$ 300.00	\$ 300.00	\$ 150.00	\$ 150.00	\$ 472.50	\$ 472.50	\$ 120.00	\$ 120.00
4	Rectification of pit lids (630 x 390 mm) - Including: re-levelling with cement bed, and re-cutting of any 148 x 148 pavers to keep to bond the existing paving as per D&C notes 10.11	No	1	\$ 245.00	\$ 245.00	\$ 400.00	\$ 400.00	\$ 150.00	\$ 150.00	\$ 472.50	\$ 472.50	\$ 150.00	\$ 150.00
5	Rectification of pit lids (675 x 420 mm) - Including: re-levelling with cement bed, and re-cutting of any 148 x 148 pavers to keep to bond the existing paving as per D&C notes 10.11	No	37	\$ 250.00	\$ 9,250.00	\$ 350.00	\$ 12,950.00	\$ 200.00	\$ 7,400.00	\$ 513.00	\$ 18,981.00	\$ 164.00	\$ 6,068.00
6	Rectification of pit lids (1175 x 785 mm) - Including: re-levelling with cement bed, and re-cutting of any 148 x 148 pavers to keep to bond the existing paving as per D&C notes 10.11	No	1	\$ 260.00	\$ 260.00	\$ 700.00	\$ 700.00	\$ 250.00	\$ 250.00	\$ 607.50	\$ 607.50	\$ 294.00	\$ 294.00
7	Rectification of pit lids (1330 x 525 mm) - Including: re-levelling with cement bed, and re-cutting of any 148 x 148 pavers to keep to bond the existing paving as per D&C notes 10.11	No	24	\$ 265.00	\$ 6,360.00	\$ 400.00	\$ 9,600.00	\$ 250.00	\$ 6,000.00	\$ 607.50	\$ 14,580.00	\$ 278.00	\$ 6,672.00
8	Rectification of pit lids (1300 x 1260 mm) - Including: re-levelling with cement bed, and re-cutting of any 148 x 148 pavers to keep to bond the existing paving as per D&C notes 10.11	No	2	\$ 270.00	\$ 540.00	\$ 900.00	\$ 1,800.00	\$ 350.00	\$ 700.00	\$ 648.00	\$ 1,296.00	\$ 388.00	\$ 776.00
9	Rectification of pit lids (1880 x 1300 mm) - Including: re-levelling with cement bed, and re-cutting of any 148 x 148 pavers to keep to bond the existing paving as per D&C notes 10.11	No	6	\$ 280.00	\$ 1,680.00	\$ 1,000.00	\$ 6,000.00	\$ 400.00	\$ 2,400.00	\$ 783.00	\$ 4,698.00	\$ 477.00	\$ 2,862.00
10	Rectification of pit lids (2000 x 520 mm) - Including: re-levelling with cement bed, and re-cutting of any 148 x 148 pavers to keep to bond the existing paving as per D&C notes 10.11	No	2	\$ 295.00	\$ 590.00	\$ 800.00	\$ 1,600.00	\$ 250.00	\$ 500.00	\$ 607.50	\$ 1,215.00	\$ 375.00	\$ 750.00
11	Rectification of pit lids (2090 x 600 mm) - Including: re-levelling with cement bed, and re-cutting of any 148 x 148 pavers to keep to bond the existing paving as per D&C notes 10.11. Please note this pit is not to City of Perth Design.	No	1	\$ 305.00	\$ 305.00	\$ 800.00	\$ 800.00	\$ 250.00	\$ 250.00	\$ 607.50	\$ 607.50	\$ 403.00	\$ 403.00
12	Lift and relay of existing <b>footpath</b> pavers (450 X 300 X 75 mm and 148 x 148 x 40 mm). Including supply of river bed sand up to 40mm depth for relaying works in the Mall as specified by City's Representative.	m²	2,453.00	\$ 128.00	\$ 313,984.00	\$ 98.00	\$ 240,394.00	\$ 57.20	\$ 140,311.60	\$ 90.11	\$ 221,039.83	\$ 147.40	\$ 361,572.20
13	Lift and relay of existing <b>road</b> pavers (300 x 150 x 75 mm). Including supply of river bed sand up to 40mm for relaying works in the Mall as specified by City's Representative.	m²	3,167.00	\$ 134.00	\$ 424,378.00	\$ 98.00	\$ 310,366.00	\$ 57.20	\$ 181,152.40	\$ 91.15	\$ 288,672.05	\$ 147.40	\$ 466,815.80
<b>TOTAL SCHEDULE OF RATES ITEMS:</b>					\$ 770,447.00	\$ 605,910.00	\$ 348,264.00	\$ 580,991.88	\$ 854,610.00				

## SCHEDULE 4

### LIFT AND RELAY OF GRANITE PAVING IN MURRAY STREET MALL - TENDER NO. 040 - 15/16

#### SCHEDULE B - ROAD TRAFFIC MANAGEMENT SERVICES - STANDARD RATES

Item	Description	MENCHETTI CONSOLIDATED	ACCESS/PAVE WA	HCC AUSTRALIA	BCL GROUP	CIVIL & PIPELINE
		Price \$	Price \$	Price \$	Price \$	Price \$
	<b>Sunday to Thursday 6:00pm to 4:00am</b>	<b>(Excluding GST)</b>	<b>(Excluding GST)</b>	<b>(Excluding GST)</b>	<b>(Excluding GST)</b>	<b>(Excluding GST)</b>
1	1 Person	\$ 79.75	\$ 78.00	\$ 60.00	\$ 62.10	\$ 68.70
2	2 Person	\$ 136.15	\$ 156.00	\$ 100.00	\$ 106.95	\$ 130.54
3	3 Person	\$ 192.50	\$ 234.00	\$ 163.00	\$ 180.55	\$ 192.36
4	4 Person	\$ 248.85	\$ 312.00	\$ 207.00	\$ 213.90	\$ 261.08
5	Each Additional Person	\$ 63.25	\$ 78.00	\$ 45.00	\$ 62.10	\$ 63.77
	<b>Overnight, Public Holidays and Weekends</b>					
6	1 Person	\$ 102.10	\$ 78.00	\$ 80.00	\$ 92.00	\$ 70.23
7	2 Person	\$ 164.30	\$ 156.00	\$ 145.00	\$ 166.75	\$ 133.43
8	3 Person	\$ 223.30	\$ 234.00	\$ 225.00	\$ 258.75	\$ 196.64
9	4 Person	\$ 282.30	\$ 312.00	\$ 290.00	\$ 333.50	\$ 266.87
10	Each Additional Person	\$ 66.70	\$ 78.00	\$ 65.00	\$ 74.75	\$ 65.21
	<b>Emergency Callout</b>					
11	Three person crew, vehicle, signs, barriers, associated equipment.	\$ 600.00	\$ 440.00	\$ 175.00	\$ 258.75	\$ 196.64
12	Minimum number of hours	<b>4 Hours</b>	<b>4 Hours</b>	<b>4 Hours</b>	<b>??</b>	<b>4 Hours</b>
	<b>Traffic Management Plans</b>					
13	Minor Works	\$ 500.00	\$ 175.00	\$ 650.00	\$ 102.35	\$ 85.00
14	General Works	\$ 750.00	\$ 215.00	\$ 650.00	\$ 102.35	\$ 150.00
15	Major/Complex Works	\$ 1,200.00	\$ 300.00	\$ 2,000.00	\$ 102.35	\$ 230.00
	<b>Additional Equipment</b>					
16	Flashing Arrow	\$ 85.00	\$ 150.00	\$ 55.00	\$ 67.85	\$ 97.03
17	Variable Message Board - Single Colour LED	\$ 180.00	\$ 180.00	\$ 75.00	\$ 126.50	\$ 97.03
18	Variable Message Board - Multi Colour LED	\$ 200.00	\$ 200.00	\$ 110.00	\$ 126.50	\$ 97.03
19	Light Tower	\$ 175.00	\$ 400.00	\$ 80.00	\$ 161.50	\$ 184.00

### LIFT AND RELAY OF GRANITE PAVING IN MURRAY STREET MALL - TENDER NO. 040 - 15/16

#### SCHEDULE C - ROAD TRAFFIC MANAGEMENT SERVICES - ADDITIONAL RATES

Item	Description	MENCHETTI CONSOLIDATED	ACCESS/PAVE WA	HCC AUSTRALIA	BCL GROUP	CIVIL & PIPELINE	
		Price \$	Price \$	Price \$	Price \$	Price \$	
		<b>(Excluding GST)</b>	<b>(Excluding GST)</b>	<b>(Excluding GST)</b>	<b>(Excluding GST)</b>	<b>(Excluding GST)</b>	
	If lane closure required operational after 9pm:	<b>No Additional Rates Submitted</b>	<b>Two Additional Rates Submitted</b>	<b>One Additional Rate Submitted</b>	<b>No Additional Rates Submitted</b>	<b>No Additional Rates Submitted</b>	
1	Arrow board on William Street						\$ 2,200.00
2	Arrow board on Barrack Street						\$ 2,200.00
1	Supply and instalation of pavelock		\$6.00 per m <sup>2</sup>				



**Chipped paver – Trip Hazard**



**Chipped paver – Trip Hazard**



**Gaps**



**Chipped paver – Trip Hazard**



**Chipped paver – Trip Hazard**



**Gaps**



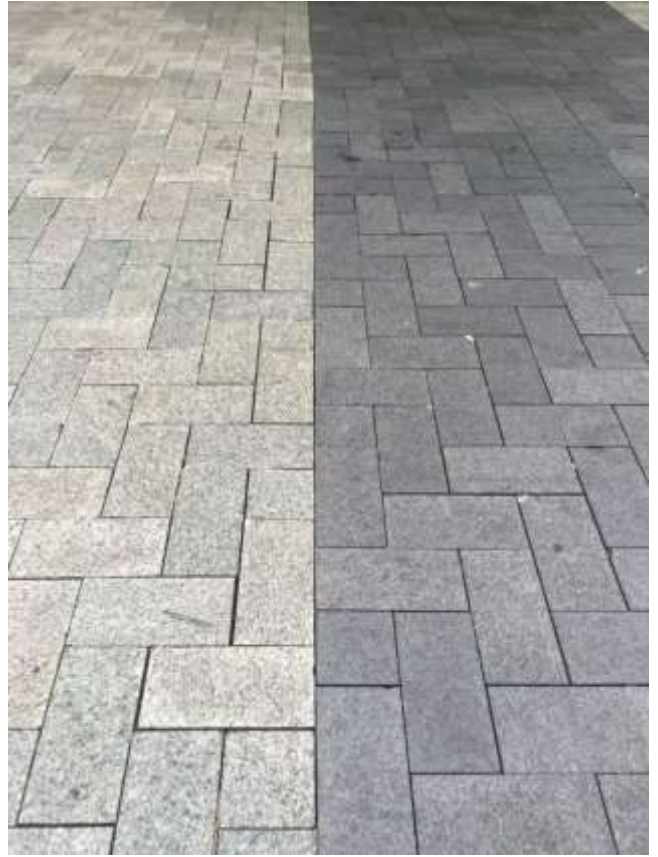
**Dislodged paver to be replaced**



**Chipped paver**



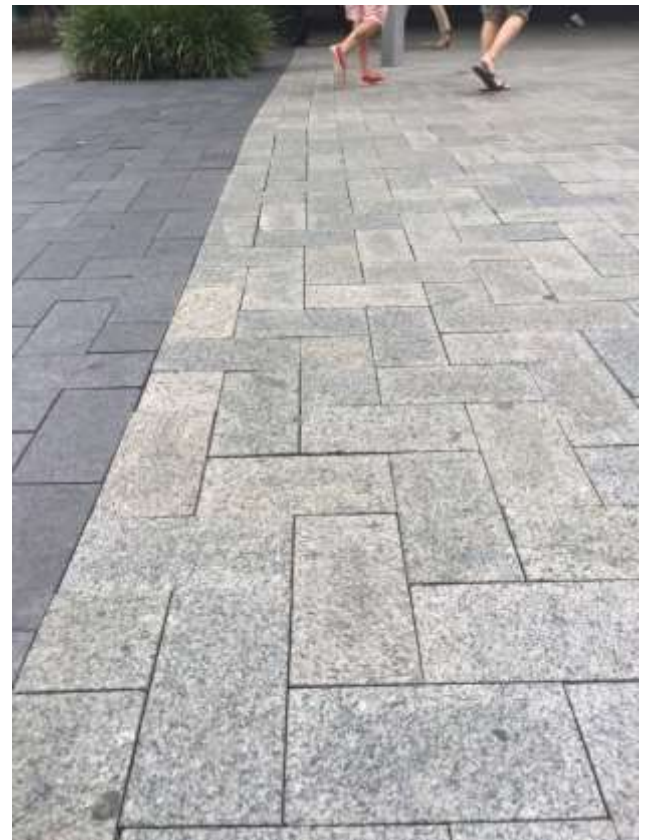
**Missalignment**



**Missalignment**



**Missalignment**



**Missalignment**





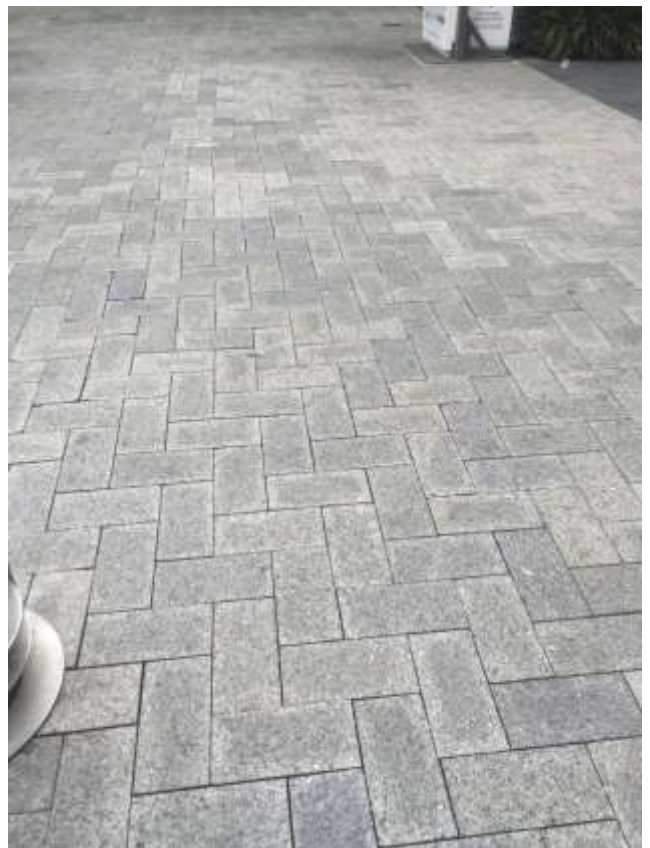
**Missing paver**



**Chipped – Trip hazard**



**Missalignment - Trip hazard**



**Missalignment**



**Gaps – Missalignment**



**Trip hazard**



**Chipped – Gaps - Dislodged**



**Trip hazard - Chipped**



**Trip hazard – Dislodged**



**Trip hazard - Dislodged**

**CONFIDENTIAL SCHEDULE 6**  
**ITEM 2 – Tender 040-15/16 – Lift and Re-lay of Granite**  
**Paving in Murray Street Mall**

**FOR THE WORKS AND URBAN DEVELOPMENT**  
**COMMITTEE MEETING**

**19 JANUARY 2016**

**DISTRIBUTED TO ELECTED MEMBERS UNDER**  
**SEPARATE COVER**

## ITEM NO: 3

### PROGRAM UPDATE – ROE STREET ENHANCEMENT PROJECT, BETWEEN WILLIAM STREET AND FITZGERALD STREET

**RECOMMENDATION:**

**(INFORMATION)**

***That Council:***

- 1. receives an update on the Roe Street Enhancement Project;***
- 2. notes the revision to the program timing for these works;***
- 3. notes that a revised program and budget will be presented to Council at a future meeting.***

**BACKGROUND:**

FILE REFERENCE: P1026458  
REPORTING UNIT: Co-ordination and Design  
RESPONSIBLE DIRECTORATE: Planning and Development  
DATE: 07 January 2016  
MAP / SCHEDULE: N/A

In June 2008, the State of Western Australia and the City of Perth signed the Link Project Implementation Deed (the Deed). Under Clause 3.3(b) (iii) of the Deed, the City of Perth accepted responsibility for funding and coordinating the upgrade of Roe Street, between Fitzgerald Street and William Street. The works were to be completed within six months of the date of practical completion of the sinking of the railway, west of the Horseshoe Bridge.

Due to a number of factors, the program for the Roe Street Enhancement Project has undergone several revisions since this time. This report provides background information regarding the delays to the project and also updated budget information.

**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.  
1.3 Establish site specific agreements and manage  
transition of Perth City Link Precinct

## **DETAILS:**

The City of Perth commenced design work for the Roe Street Enhancement Project in June 2012 in order to meet the stipulated completion date, as per the Deed. Subsequently, however, the Metropolitan Redevelopment Authority (MRA) requested that the project be put on hold. At this time, the MRA and the City of Perth agreed that construction on Roe Street and associated lane closures would:

- impede access to the Roe Street Temporary Bus Station and cause unacceptable congestion and disruptions to bus scheduling; and
- impede access during construction of the new underground Wellington Street Bus Station, Yagan Square and Wellington Street enhancement as well as the decommissioning of the Roe Street Temporary Bus Station.

It was also thought to be prudent to review the project program given that:

- MRA were to undertake service upgrades within Roe Street. Delaying the City of Perth's streetscape works until the MRA's works had been completed would avoid potential conflicts; and
- The Department of Transport, MRA and City of Perth were yet to agree on a final alignment and design for the MAX Light Rail along Roe Street, and impacts to levels and drainage were unresolved.

The MRA subsequently issued a revised Perth City Link provisional program with the construction of the Roe Street Enhancement Project scheduled for 2018. Consequently, the City of Perth allocated funds for the project in the Coordination and Design Unit's 10 Year Capital Works Plan for the 2017/18 and 2018/19 financial years.

However, in recent discussions the MRA have indicated that the current Roe Street Enhancement program needs to be revised due to:

- the finalisation of the Perth City Link subdivision and subsequent revisions to the MRA's construction program;
- unknown timing of major Western Power and Water Corporation infrastructure upgrades in Roe Street;
- the deferment of the MAX Light Rail design; and
- the revised timing of the Yagan Square construction.

These projects have the potential to delay the construction program for Roe Street by a minimum of 12 months.

**FINANCIAL IMPLICATIONS:**

ACCOUNT NO: CW0225  
BUDGET ITEM: Transport – Street, Roads, Bridges, Depots – Streetscapes – Roe Street (Northbridge Link)  
BUDGET PAGE NUMBER: 3  
BUDGETED AMOUNT: \$12,900,000  
AMOUNT SPENT TO DATE: \$ 253,550  
BALANCE: \$12,646,450  
  
ANNUAL MAINTENANCE: TBA  
ESTIMATED WHOLE OF LIFE COST: TBA

The City of Perth has identified \$12.9 million in its Five Year Capital Works Program to deliver enhancements to Roe Street as part of the Link Agreement, in the financial years of 2016/17, 2017/18 and 2018/19. This budget will need to be revised to include an escalation factor once the project is recommenced.

All figures quoted in this report are exclusive of GST.

**COMMENTS:**

It is noted that the Roe Street Enhancement Project will be deferred for another 12 months.

When the City of Perth has sufficient, updated information regarding the external impacting factors, as outlined in this report, noting that the design and tender process will need to begin approximately 22 months prior to commencement of construction works, a revised budget for the completion of the works including an escalation factor will be reported back to Council.