

CITY OF ARMADALE

A G E N D A

OF TECHNICAL SERVICES COMMITTEE TO BE HELD IN THE COMMITTEE ROOM, ADMINISTRATION CENTRE, 7 ORCHARD AVENUE, ARMADALE ON MONDAY, 19 JANUARY 2009, AT 5.30 PM.

A meal will be served at 6.15pm.

PRESENT:

APOLOGIES:

OBSERVERS:

IN ATTENDANCE:

PUBLIC:

DISCLAIMER

The Disclaimer for protecting Councillors and staff from liability of information and advice given at Committee meetings to be read by the Chairman.

DECLARATION OF MEMBER'S INTERESTS

QUESTION TIME

DEPUTATION

CONFIRMATION OF MINUTES

RESOLVED

Minutes of the Technical Services Committee Meeting held on 8 December 2008, be confirmed.

**MOVED Cr
MOTION CARRIED ()**

I N D E X

TECHNICAL SERVICES COMMITTEE

19 JANUARY 2009

PARKS AND RESERVES

WILLIAM SKEET RESERVE – PLAYGROUND EQUIPMENT 4

ENGINEERING, DESIGN AND DEVELOPMENT

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WILLIAM SKEET RESERVE – PLAYGROUND EQUIPMENT

At the Council meeting held on 15 December 2008 Cr MacDonald referred the following matter to the Technical Services Committee.

That a letter from the Forrestdale Community Association in relation to William Skeet Reserve playground (playground equipment) be referred to the Technical Services Committee.

OFFICER'S COMMENT

Various matters were raised in the letter from the Forrestdale Community Association and below is Council's reply to the points raised:

- The original play equipment located at William Skeet Reserve was purchased with community grant funds, fund raising and municipal funds in 1994.
- Regular safety inspections are carried-out on all of the City's play equipment and all necessary repairs and maintenance is undertaken accordingly.
- The Playground strategy was adopted by Council on 10th March 2008. The strategy included retaining play equipment at William Skeet Reserve as a "New Regional Facility" as identified within the playground hierarchy within the report.
- A media release followed the adoption of the Playground Strategy in March 2008.
- The play equipment was removed in May 2008 due to poor condition and replacement parts being no longer available from the original manufacturer. It should be noted that the asset life of a playground is considered to be 10 years. Furthermore the "New Regional Facility" was installed prior to the old equipment being removed and additional equipment will be installed in 2009 from the Federal Governments Regional and Local Government Infrastructure Program.

RECOMMEND

COMMERCIAL AVENUE, FORRESTDALÉ – ROAD SIGNS

At the Council meeting held on 15 December 2008 Cr Munn referred the following matter to the Technical Services Committee.

The matter of the possibility of putting “local traffic only” signs at the east end of Commercial Avenue, Forrestdale and at Swamp Road on the junction with Nicholson Road, Forrestdale, be referred to the Technical Services Committee

The following comment has been provided by Cr Munn for consideration:-

I am receiving complaints from residents in Commercial about traffic movement from Armadale Road to Nicholson Road and vice versa. The roads, Weld Street, Commercial and Swamp are defined by two right-angled bends and a number of difficult curves.

The main problem is the heavier traffic, loaded 20 ton plus trucks and semi trailers. A few of the residents got together and complained to some of the transport companies with some success, however after a few weeks the traffic increases again. The police have been unable to help, and all trucks exceed the 50K speed limit.

Could we make a formal complaint to police on residents’ behalf and erect a couple of “local Traffic Only” signs either end of this route. This might persuade the more reasonable truck driver to go via the traffic lights at Nicholson Road. We can only trust the police pick up the odd rogue driver who speeds through this windy narrow route with no footpaths, with no care for those walking or cycling along this road.

OFFICER’S COMMENTS

The matter of placing “Local Traffic Only’ signs on Commercial Avenue and Swamp Road, Forrestdale may only deter 20-30% of drivers from using these particular roads as “through roads” and staying on the thoroughfares provided.

The real meaning behind the “local traffic only” sign is ‘no through traffic”, but the thoroughfare is not closed at the other end.

“In other words, do not use this neighbourhood as a shortcut to somewhere else because we do not want a lot of traffic in our quiet neighbourhood – local only please.”

The “local traffic only” sign has no regulatory jurisdiction and is therefore moral persuasion with no enforcement powers by MRWA, Traffic Police or Local Authorities.

The current traffic volumes for Commercial Avenue and Swamp Road are very similar with an AADT Volume (annual average daily traffic – volume) of 270. The number of heavy vehicles is relatively small 5-7 per day.

It is proposed that the “Local Traffic Only” signs be installed and that traffic through this area be monitored via regular traffic counts.

RECOMMEND

That “Local Traffic Only” signs be installed on Commercial Avenue and Swamp Road.

MOVED Cr
CARRIED/LOST

****FOOTPATH PROGRAMME 2008/09**

WARD All
FILE REF
DATE 12 January
2009
REF GD
RESPONSIBLE
MANAGER EDTS

In Brief:

- Changes have been made to the 2008/09 path Programme due to :
 - Tender price increases since the budget estimates
 - The need to include extra paths
 - Advice of receipt of a grant for Eighth Road.
- **Recommend**
That Council ratify the proposed changes

Tabled Items

Nil.

Officer Interest Declaration

Nil.

Strategic Implications

Physical Infrastructure

3. *Develop an integrated transport system, including road safety aspects.*

Legislation Implications

General assessment of relevant legislation (eg Local Government Act) has not revealed any restrictions.

Council Policy/Local Law Implications

General assessment has not revealed any applicable Policies/Local Laws.

Budget/Financial Implications

Nil.

Consultation

Nil

DETAILS

The following table gives details of Council's Bike Path Programme for 2008/09

Bike Path Original Programme					
	Project	Location	Length	Width	Budget
1	Inverness Cl (concrete)	Hemminway Dr - Inverness Cl Stage 1 (up to Dundee Wy)	290	2.00	\$26,100
2	Tyers Rd (concrete)	Northward Rd-George Rd	280	2.00	\$20,600
3	Martin St (Bridge required)	Clifton St-River	206	2.00	\$35,500
4	Ninth Rd (concrete)	Harber Dr to Farmer Rd	245	2.00	\$17,800
	Total				\$100,000

COMMENT

Changes to Programme are necessary because of :

- Tender price increases since the budget estimates
- The need to include extra paths
- Advice of receipt of a grant for Eighth Road.

Proposed changes are as follows :

Project	Location	Length	Width	Total new Estimated Cost	Budget	Difference
Inverness Cl (concrete)	Hemingway Dr – Inverness Cl Stage 1 (up to Kirk Cl)	460	2.00	\$52,856	\$26,100	+\$26,756
Tyers Rd (concrete)	Northward Rd – George Rd	280	2.00	\$30,337	\$20,600	+\$9,737
Martin St	Clifton St- river	206	2.00		\$35,500	-\$35,500
Ninth Rd (Concrete)	Harber Dr to Farmer Rd	245	2.00	\$27,482	\$17,800	+\$9,682
Orchard Ave – west side – (brick pave)	Jull St Westzone entrance	86	2.50	\$13,000	\$0	+\$13,000
Eighth Rd Grant						-\$23,675
Total				\$123,675	\$100,00	\$0

Reasons for the proposed changes are as follows:

1. Inverness Close

The difference in price for the construction of this path is due to a rise in tender prices and also the proposal to extend the proposed length of the footpath to allow for the construction of a “meaningful” section from intersection to intersection.

2. Tyers Road

The difference in price for the construction of this footpath is due to a rise in tender prices.

3. Martin Street

It is suggested that this proposed path be deleted from the Programme. The Water Corporation had intended to construct a pipe across the Canning river but have since amended this plan. The pipe would have provided a bridge facility across the river to form a link westwards and there is now no need to have a path connecting along this section of Martin Street.

4. Ninth Road

The difference in price for the construction of this path is due to a rise in tender prices.

5. Orchard Ave – west side

This is a proposed upgraded section of path which will be constructed in brick paving and therefore will complement the development works on Orchard Avenue fronting Westzone's new development.

6. Eighth Road

Unbudgeted extra funding has been received in the form of a grant for works completed during 2007/08.

It should be noted that the above changes do not require extra funding.

RECOMMEND

That Council :

Pursuant to Section 6.8 of the Local Government Act 1995 (as amended) authorise the following expenditure amendments:

1. Pathways – New Cyclepaths

Inverness Close	\$52,856
Tyers Road	\$30,337
Ninth Road	\$27,482

Pathways - New Footpaths

Orchard Avenue	\$13,00
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2. Amend the 2008-09 Annual Budget as follows:

Expenditure Pathways – New Cyclepaths

Inverness Close increase by	\$26,756
Tyers Road increase by	\$9,737
Ninth Road increase by	\$9,682
Martin Street reduce by	\$35,500

Expenditure Pathways - New Footpaths

Orchard Avenue increase by	\$13,000
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Revenue

Shared Path Grant	
Eighth Road increase by	\$23,675

For the purpose of reinstating paths works in the 2008/09 Budget.

**** ABSOLUTE MAJORITY REQUIRED**

BANKEN COURT, FORRESTDALE – DEED OF AGREEMENT

WARD Lake
FILE REF:
DATE 13 January
2009
REF CB
RESPONSIBLE
MANAGER EDTS

In Brief:

- The owners of Lot 5, No 2 Banken Court Forrestdale have requested Council's approval to erect a patio on a drainage easement.
- Access to the storm water drain will still be available should the need arise to carry out any associated works in drainage easement area covered by the patio.
- In order to approve the request the owners are to enter into a Deed of Agreement.
- **Recommend**
That Council approves the construction of a patio on a drainage easement at Lot 5, No 2 Banken Court, Forrestdale subject to the owners entering into a Deed of Agreement and subject to all the terms and conditions associated within the document and to pay all costs associated with the lodgement of the Deed

Tabled Items

Deed of Agreement

Officer Interest Declaration

Nil.

Strategic Implications

6. Providing Physical Infrastructure and Caring for the Natural Environment

Continue a whole government approach in the provision of infrastructure

Maintain and improve physical infrastructure to meet the needs of the community

Legislation Implications

Lands Administration Act 1997

Registration of Deeds Act 1856

Council Policy/Local Law Implications

Council Policy ADM/18 – Common Seal

Budget/Financial Implications

Nil.

Consultation

Intra office

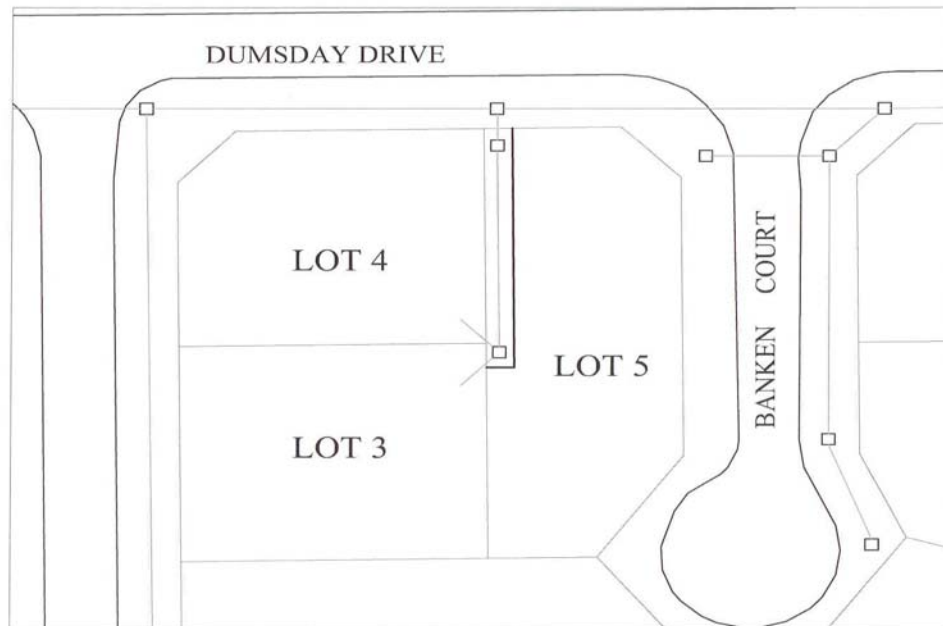
BACKGROUND

Council's Building Department are in receipt of a building application from the owners of Lot 5, No 2 Banken Court Forrestdale to construct a flat patio 6.2m in length x 2.5m in width (15.5 square meters) on a drainage easement. Refer plan below:



BANKEN COURT
LOCALITY PLAN NTS

Site Plan



COMMENT

The drainage easement located between Lot 5 and Lot 4 is approximately 29m in length and is lodged to protect a 150mm storm water pipe that services 3 properties being Lots 3, 4 and 5 Banken Court Forrestdale.

Council's Engineering Department has advised that there is no objection to the construction of the patio on the easement as access to the storm water drain will still be available should the need arise to carry out any associated works on or under the drainage easement area.

In order to approve the construction of a patio on the drainage easement the owners are to enter into a Deed of Agreement and be subject to the terms and conditions contained within the document and pay all associated costs in the lodgement of the Deed.

RECOMMEND

That Council approves the construction of a patio on a drainage easement at Lot 5, No 2 Banken Court, Forrestdale subject to the owners entering into a Deed of Agreement and be subject to all the terms and conditions associated within the document and to pay all costs associated with the lodgement of the Deed.

MOVED Cr
CARRIED/LOST

TENDER NO 27/08 – SPECIALISED ASSET MANAGEMENT SERVICES

WARD All
FILE REF
DATE 5 January 2009
REF GD
RESPONSIBLE
MANAGER EDTS

In Brief:

- In an effort to ensure the continuation of Council's strong emphasise on establishment of sustainable asset management practices and processes it has been felt appropriate to call a tender seeking responses from companies experienced in the field of asset management with a view to establishing a partner based contract which would allow the successful tenderer to provide guidance and coordination to Council in the strategic asset management area.
- **Recommend**
That with Tender No 27/08 for the provision of Specialised Asset Management Services Council accept the tender of Opus International Consultants for the period 1 March 2009 to 29 February 2012 in accordance with their submitted tender and Council's contract documentation.

Tabled Items

Tender documents

Officer Interest Declaration

Nil.

Strategic Implications

Corporate Services

To achieve maximum community benefit from effective use of resources, staff, finances and information technology.

Legislation Implications

Assessment

Council Policy/Local Law Implications

Assessment of Policy and Local Law indicates that the following are applicable:

Policy ENG5 – Tendering and Purchasing

Budget/Financial Implications

Within allocated funding

Consultation

Nil.

BACKGROUND

The position of Asset Management Co-ordinator within the Technical Services Department is one which is expected to provide specialised guidance in the preparation and establishment of strategic asset management procedures as well as the coordination of data and information collection and recording processes. Unfortunately since the resignation of the last Asset Management Coordinator in September 2007, Council has been unable to refill the position despite advertising on a number of occasions.

In an effort to ensure the continuation of Council's strong emphasis on establishment of sustainable asset management practices and processes it has been felt appropriate to call a tender seeking responses from companies experienced in the field of asset management with a view to establishing a partner based contract which would allow the successful tenderer to provide guidance and coordination to Council in the strategic asset management area. In addition the tender allowed for provision of some services which would allow the ongoing provision of road condition assessment services and also road and path safety inspection services in line with such procedures which have been implemented during the last twelve months.

The WALGA Tender Bureau Service was appointed to oversee the tendering process including the provision of a report on the tenders received. Following are sections of the report providing tender details and summarising recommendations. Note this is not the Council template for tenders as it was produced by WALGA.

“1. INTRODUCTION

1.1

1.2 SCOPE

The City of Armadale is seeking proposals to enter into an arrangement with a private sector partner for the provision of asset management services requiring specialised engineering and technical services in the field of asset management.

The ability to sustain and access skills in this area is important to the City's ability to fulfil its role as a provider of quality assets and services to its Community. The establishment of a partnering contract with a private sector provider is seen as one way to ensure the continuity of skills in these areas.

It is the intention of this proposed partnering contract to deliver highly specialised and strategic advice, develop new innovative solutions and practices, and provide associated services in the field of asset management.

The City's current asset management focus is at a high level, concentrating its efforts purely on the larger asset classes. The asset classes that it is considering are:

- *Roads*
- *Paths*
- *Bridges*
- *Stormwater Drainage*
- *Building Facilities*
- *Public Open Space (Active and Passive)*
- *Council Owned Land*

The overall objectives of this partnering contract are:

- *To gain access to world class asset management capability and advice.*
- *To undertake various asset management work to ensure that the City's practices and processes are maintained.*
- *To undertake development of the City's asset management practices and processes.*
- *To enhance the level of asset management expertise and understanding at a staff level and understanding only at a Council level.*
- *To facilitate the efficient and effective management of Council assets and services.*
- *To ensure that Council has a full understanding of the future financial requirements to ensure that all existing and future assets continue to provide acceptable levels of service.*

The Services

The services that are required under the terms of this contract have been split into packages of work that are to be considered as either discretionary or non discretionary. Discretionary packages of work are those which will be issued to the Partner as the need arises and are not required at any predetermined frequency. Non-discretionary packages are those portions of work that already have a defined scope and frequency.

The non-discretionary services required to be contributed to under this Partnering Contract are at present:

- *Undertaking road condition inspections, as per the ROMAN data collection manual*
- *Undertaking road safety inspections*
- *Undertaking path safety inspections*

The discretionary services required to be contributed to under this Partnering Contract include, but are not limited to:

- *Providing asset management advice and support to senior staff.*
- *Providing guidance and instruction to staff in order to generate asset management data and information.*
- *Development and revision of the City's Asset Management Improvement Strategy (AMIS).*
- *Development and revision of the City's Asset Management Plans (AMPs)*
- *Development and revision of the City's asset inventories.*
- *Undertaking various condition inspections of the City's assets (other than that which is listed as non-discretionary).*
- *Undertaking various safety inspections of the City's assets (other than that which is listed as non-discretionary).*
- *Assisting in the development and revision of asset related financial projections within the City's 15 year financial plan.*
- *Undertaking deterioration modelling of various asset classes.*
- *Undertaking traffic counts of the City's road network*
- *Assisting in the production of asset valuations.*
- *Assisting in the programming of asset renewal*
- *Identifying future renewal programme requirements to maintain levels of service on a sustainable basis.*

1.3

1.4 **CONTRACT PERIOD**

The Contract shall be for a period of Three (3) years, from commencement date nominated in the Letter of Engagement, with a Principal option to extend the Contract for a further two (2) years at the sole discretion of the Principal.

1.5

2. **BACKGROUND**

2.1 **TENDERER'S/RESPONDENT'S NAME**

Tenders/Submissions were received from:

- a) *Cardno (WA) Pty Ltd ABN 77 009 000 (Cardno)*
- b) *MWH Australia Ltd ABN 17007 820 322 (MWH)*
- c) *NDY Management Pty Ltd ABN 29 003 234 571 (Norman Disney)*
- d) *Opus International Consultants (PCA) Ltd ABN 89 096 110 262 (Opus)*

3. **EVALUATION PANEL**

3.1

4. **SELECTION CRITERIA AND RATING SCALE**

4.1 **COMPLIANCE CRITERIA**

The Compliance Criteria as outlined in section 1.6.1 of the Tender were

- (a) *Compliance with the Conditions of Tendering*
- (b) *Compliance with Specification*
- (c) *Complete Pricing Schedule*

- (d) *Corporate Information*
- (e) *Financial Position*
- (f) *Conflict of Interest*
- (g) *Insurance*

4.2 **QUALITATIVE CRITERIA**

<p>A) Organisation Capabilities Tenderer to provide details of:</p> <ul style="list-style-type: none"> • Demonstrate recent experience with contracts of similar size and scope: • Demonstrate that your organisation has the capacity to resource the work i.e. current workload versus forecast workload including this contract. • Tenderers are to also include the percentage of operational capacity represented by this work. • Name of Sub- consultants to be engaged (include qualifications and registrations); • Demonstrated knowledge of the latest industry asset management practices 	<p>Weighting 25%</p>
<p>B) Key Personnel Tenderer to :</p> <ul style="list-style-type: none"> • Nominate and provide relevant experience, current qualifications and registrations, of the key personnel; • Provide details of their experience within Local Government Asset Management 	<p>Weighting 35%</p>
<p>C) Performance Tenderer to demonstrate understanding of Requirements, and address how each of the following will be achieved:</p> <ul style="list-style-type: none"> • The ability to supply and sustain the necessary technical resources, staff and equipment • Quality and standard of work; • Timeliness of work (productivity) • Demonstrated ability to meet the Specifications of this Request. • Any other issues or matters which will maximise the net benefit of the Services to the Principal and community 	<p>Weighting 40%</p>

4.4 **Pricing**

The pricing submitted by each Tenderer was assessed together with the qualitative criteria. The selected response is that which represents the most advantageous to the City of Armadale.

5. **EVALUATION METHODOLOGY**

5.1

5.2

5.3 **QUALITATIVE SCORING**

The qualitative ranking of the four submissions received was as follows:

<i>Opus International Consultants</i>	<i>1</i>
<i>Cardno (WA) Pt Ltd PCA Ltd</i>	<i>2</i>
<i>MWH Australia Ltd</i>	<i>3</i>
<i>NDY Management Pty Ltd</i>	<i>4</i>

The tendered prices received from the highest ranked tenderer, Opus, are listed below and were the lowest of all tenderers in each category.

	Opus
<i>Condition inspection KM</i>	<i>\$100.00</i>

	Opus
<i>Safety inspection km</i>	<i>\$34,00</i>
<i>path safety inspection KM</i>	<i>\$65.00</i>
Total Cost	

	Opus
<i>Safety inspection km</i>	<i>\$34.00</i>
<i>Path safety inspection KM</i>	<i>\$65.00</i>
Total Cost	

Opus	\$55,565.00	

	Opus
<i>Highly Specialised</i>	<i>\$230.00</i>
<i>Advanced Engineering</i>	<i>\$180.00</i>
<i>General Engineering</i>	<i>\$150.00</i>
<i>Field Officer</i>	<i>\$90.00</i>
<i>Admin support</i>	<i>\$75.00</i>

6. PRICE ASSESSMENT

.....

7. BASIS OF DECISION

.....

8. DECISION

The Evaluation Panel recommends that Opus International Consultants (PCA) Ltd, be selected as the preferred supplier under the terms and conditions of the Tender and at the Tendered prices received.

OFFICER'S COMMENTS

Officers support and concur with the Report and Recommendation of WALGA. It should also be noted that during the last twelve months the recommended tenderer, Opus, have been providing similar services to Council. With regard to funding availability for the contract, a total figure of \$78,150.00 has been included in the Civil Works Maintenance Budget to cover anticipated expenditure for road and path safety/condition inspections. In addition further funding of approximately \$73,160.00 is available as a salary plus overheads allowance for the position of Asset Management Coordinator, which more than adequately address the anticipated funding requirements for the “discretionary” consultancy services to be provided. Should extra specific projects arise which require further funding then this would either be subject to future budget discussions or be funded from the general consultancy funding allocations included in the Technical Services Budget Allocation

RECOMMEND

That with Tender No 27/08 for the provision of Specialised Asset Management Services Council accept the tender of Opus International Consultants for the period 1 March 2009 to 29 February 2012 in accordance with their submitted tender and Council's contract documentation.

MOVED Cr
MOTION CARRIED/LOST

2009 PUBLIC WORKS ENGINEERING STATE CONFERENCE

WARD All
FILE REF
DATE 30 December
2008
REF MTS
RESPONSIBLE EDTS
MANAGER

In Brief:

- Outline of proceedings for 2009 Public Works Engineering State Conference.
- **Recommend:**
That Councillor (s)..... be nominated from the Technical Services Committee to attend the 2009 Public Works Engineering State Conference, or
Should no nomination be received, then the recommendation be as follows:
That no nomination be made for attendance at the 2009 Public Works Engineering State Conference.

Tabled Items

Conference Programme.

Officer Interest Declaration

Nil.

Strategic Implications

Corporate Services

To create a workplace where staff are innovative, confident and continue to learn.

Legislation Implications

General assessment of relevant legislation (eg Local Government Act) has not revealed any restrictions.

Council Policy/Local Law Implications

Assessment of Policy/Local Law indicates that the following are applicable:

ADM 3 – Conferences, Seminars and Training (2)(d)

Budget/Financial Implications

Conferences Members - General Ledger Account Number GL210128.1046.02

The cost to attend the Conference is \$990.

Consultation

Chief Executive Officer and Technical Services Engineering Staff.

BACKGROUND

Council Policy requires that Council Members who wish to attend the Conference need to nominate at the Technical Services Committee for approval at the Ordinary Meeting of Council (to be held on 27th January 2009). Therefore any Councillor who is not a member of the Technical Services Committee but wishes to attend will need to advise the Chair of their request.

The Executive Director Technical Services, who is on the State Executive Committee of the IPWEA, is intending to attend the Conference on all of the days. The Chief Executive Officer, Manager Technical Services and selected Engineering Staff will be attending various sessions and will be sharing registrations.

COMMENT

The State Conference is held annually by the Institute of Public Works Engineering Australia and is an ideal opportunity to increase knowledge and awareness of trends in public works and to broaden network contacts for the attending Members and/or Councillors.

The 2009 Public Works Engineering State Conference will be held at the Esplanade Hotel, Fremantle on the 11th, 12th and 13th March 2009. A copy of the “*Program Sneak Preview*” is to be found at *Attachment “A1” of the Agenda (see Summary of Attachments – Green Page)*

RECOMMEND

That Councillor (s) be nominated from the Technical Services Committee to attend the 2009 Public Works Engineering State Conference.

or

Should no nomination be received, then the recommendation be as follows:

That no nomination be made for attendance at the 2009 Public Works Engineering State Conference.

MOVED Cr
MOTION CARRIED/LOST

LATE ITEMS

COUNCILLORS' ITEMS

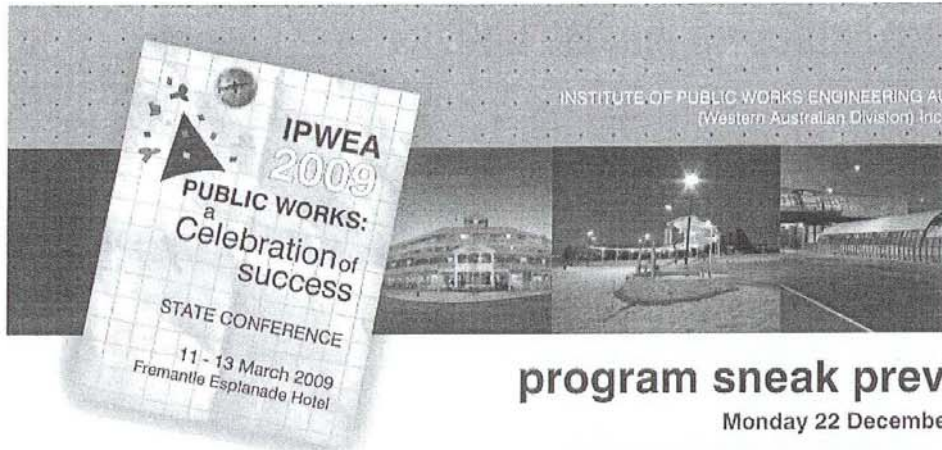
MEETING CLOSED _____PM.

TECHNICAL SERVICES COMMITTEE

SUMMARY OF "A" ATTACHMENTS

19 JANUARY 2009

Attachment No.	Subject	Page
1	IPWEA 2009 Conference – Sneak Preview	23



program sneak preview
Monday 22 December

Wednesday 11 March 2009

9.00 - 11.30am **PRE-CONFERENCE WORKSHOP and TECHNICAL TOUR**

The Success of Using Recycled Materials in Road Construction

Half day workshop includes presentations from Colin Leek, Bruce Bowman and Bob Andrews followed by an afternoon technical tour (including lunch) to the C&D Recycling Plant and the EMRC Timber Recycling Plant, both at Hazelmere and also to Midland Brick at Middle Swan.

Coach returns to the Esplanade Hotel, Fremantle in time for the IPWEA AGM at 4.00pm, followed by the **WELCOME RECEPTION** at 5.30pm.

Workshop Only: \$132

Technical Tour (includes lunch): \$99

Full day: \$220

Thursday 12 March 2009

9.00 - 10.30am **CONFERENCE OPENING**

A New Government, A New Vision
Speaker tbc

What is Success?
Marcus Akuhata-Brown (Tukaha Global, NZ)

11.00 - 12.30pm **CONCURRENT SESSIONS**
Successful Outcomes for Road Infrastructure
Success in Urban Renewal

1.30 - 3.00pm **PLENARY SESSION**

Transport - Greg Martin (PATREC)
Technology
Steve Atkins (Multibase ebusiness Services)
Management
Reece Waldock (Public Transport Authority)

Speaker profiles available shortly @
www.promaco.com.au/2009/pwe

Registration fees (inclusive GST)

MEMBER

Full Registration	\$990 (\$90 GST)
Retired/Student	\$495 (\$45 GST)
Single Day	\$495 (\$40 GST)

NON-MEMBER

Full Registration	\$1100 (\$100 GST)
Retired/Student	\$550 (\$50 GST)
Single Day	\$550 (\$50 GST)

Thursday 12 March 2009 continues

3.30 - 5.00pm **CONCURRENT SESSIONS**

Delivering Innovative Solutions
Young Engineers Awards Presentations

5.15 - 7.00pm **NETWORKING FUNCTION**

Sponsored by Midland Brick

Friday 13 March 2009

9.00 - 10.30am **PLENARY SESSION**

Preparing Yourself for Success
Greg Mitchell (Lifestyle Consultant)

How Can We Lead the Environment Debate?
Jorg Imberger (UWA Centre for Water Rese

11.00 - 12.30pm **CONCURRENT SESSIONS**

40 Under 40 Personal and Career Success St
Tim Marney (tbc) / Adam Harry / Mark Blayr

1.30 - 3.00pm **THE GREAT DEBATE**

What Motivates Engineers?
Do Engineers Make Good Leaders?

3.30 - 4.15pm **PROJECT - SPEED BRIEFING**

4.15 - 4.30pm **WRAP UP AND SUMMARY**
Gerry Gannon (Conference MC)

7.00pm - late **CONFERENCE DINNER**

Sponsored by Downer EDI Works Pty Ltd

