

CITY OF ARMADALE

AGENDA

OF THE TECHNICAL SERVICES COMMITTEE TO BE HELD IN THE COMMITTEE ROOM, ADMINISTRATION CENTRE, 7 ORCHARD AVENUE, ARMADALE ON WEDNESDAY, 7 JUNE 2017 AT 7.00PM.

A meal will be served at 6:15 p.m.

PRESENT:

APOLOGIES:

OBSERVERS:

IN ATTENDANCE:

PUBLIC:

*“For details of Councillor Membership on this Committee, please refer to the City’s website
– www.armadale.wa.gov.au/your_council/councillors.”*

DISCLAIMER

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

DECLARATION OF MEMBERS' INTERESTS

QUESTION TIME

Public Question Time is allocated for the asking of and responding to questions raised by members of the public.

Minimum time to be provided – 15 minutes (unless not required).

Policy and Management Practice EM 6 – Public Question Time has been adopted by Council to ensure the orderly conduct of Public Question time and a copy of this procedure can be found at <http://www.armadale.wa.gov.au/PolicyManual>.

It is also available in the public gallery.

The public's cooperation in this regard will be appreciated.

DEPUTATION

CONFIRMATION OF MINUTES

RECOMMEND

Minutes of the Technical Services Committee Meeting held on 1 May 2017 be confirmed.

ITEMS REFERRED FROM INFORMATION BULLETIN

- **Outstanding Matters and Information Items**

No Outstanding Items.

- **Monthly Departmental Reports**

Technical Services Works Program.

If any of the items listed above require clarification or a report for a decision of Council, this item to be raised for discussion at this juncture.

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1.1 - TECHNICAL SERVICES DIRECTORATE 2017/18 DRAFT BUDGET

WARD : ALL
FILE No. : M/276/17
DATE : 1 May 2017
REF : MH/KK
RESPONSIBLE : Executive Director
MANAGER : Technical Services

In Brief:

- This Report presents the 2017/18 Draft Budget for the Technical Services Directorate.
- The Report recommends that the Draft 2017/18 Budget Report as presented (with or without modifications made by Committee/Council) be referred to the Special meeting of the City Strategy Committee to be held on 27 June 2017 (the business of that meeting being to recommend to Council the 2017/18 Annual Budget), for consideration and inclusion in Council's 2017/18 Annual Budget.

Tabled Items

Nil.

Officer Interest Declaration

Nil.

Strategic Implications

4.1 Visionary Civic leadership and sound governance

4.3 Financial Sustainability

4.3.1 Prepare and implement short to long term financial plans

Legislation Implications

Section 6.2 of the *Local Government Act 1995* refers, ie.

6.2. Local government to prepare annual budget

- (1) *During the period from 1 June in a financial year to 31 August in the next financial year, or such extended time as the Minister allows, each local government is to prepare and adopt*, in the form and manner prescribed, a budget for its municipal fund for the financial year ending on the 30 June next following that 31 August.*
- (2) *In the preparation of the annual budget the local government is to have regard to the contents of the plan for the future of the district made in accordance with section 5.56 and to prepare a detailed estimate for the current year of—*
 - (a) *the expenditure by the local government;*
 - (b) *the revenue and income, independent of general rates, of the local government; and*
 - (c) *the amount required to make up the deficiency, if any, shown by comparing the estimated expenditure with the estimated revenue and income.*
- (3) *For the purposes of subsections (2) (a) and (b) all expenditure, revenue and income of the local government is to be taken into account unless otherwise prescribed.*

Council Policy/Local Law Implications

Nil.

Budget/Financial Implications

In accordance with the agreed 2017/18 Budget Adoption Timetable, this Report presents the 2017/18 Draft Budget for the Technical Services Directorate for Committee's consideration and recommendation.

Consultation

This report is informed by:

1. Councillor Workshops held over the past two months relating to the City's Strategic Community Plan, Corporate Business Plan, Long Term Financial Plan and Workforce Plan.
2. Meetings of the Rating Review Working Party over the past two months.
3. Meetings of the Management Executive.
4. Asset Management Plans

DETAILS OF PROPOSAL

Committee is referred to the Draft 2017/18 Budget Report as attached. (Refer to Attachment circulated separately.)

Committee's task in considering the attached Draft Budget Report is:

- To consider and confirm the key actions as reported for implementation during 2017/18
- To consider and confirm the reasonableness of the revenue and expenditure estimates as relating to each of the services and programs proposed for the 2017/18 year
- To consider/identify whether there are any other budget matters arising, that Committee would recommend as a priority for inclusion in the draft budget, should funding levels subsequently allow

COMMENT

Matters referred for Discussion at the Technical Series Committee

During the above budget consultations, Councillors discussed the following matters and referred these to the Technical Services Committee for inclusion in the Draft 2017/18 Technical Services Budget deliberations.

Footpath Works

The following footpaths were raised as Councillor items as requests for implementation during the 2016/17 financial year, and referred for consideration:

1. Grealis Street
2. Angelo Street
3. Townsend Street
4. Andreas Road

Council has in the past adopted a structured approach to the provision and expansion of the footpath network in the City. This approach is documented and detailed in the adopted Skeletal Pathway Network program, which is based on an assessed priority system, as measured against the approved criteria for determining the priorities for footpath construction.

The proposal for the allocation of funding for footpaths outside this adopted approach is considered to be fraught with inconsistencies, which would render the current considered and structured approach irrelevant.

Angelo Street, Townsend Street and Andreas Road are already included in the adopted Skeletal Pathway Network Plan, and at current levels of funding, will be included within the next three years of funding allocations for construction. Therefore none of the above suggested footpaths have been included in the 2017/18 Draft Technical Services Budget.

It is therefore recommended that any funding allocated for footpath construction be allocated in accordance with the priorities as detailed in the adopted Skeletal Pathway Network program of works, which is reviewed from time to time, with the next review scheduled for consideration by Council in September 2017.

Environment Projects

1. Neerigen Brook Management Plan implementation projects
2. Little Green Steps Education program
3. Floating Wetland – Arion Estate
4. Solar Panel Champion Centre

The consensus view from the deliberations was that these projects were to be accommodated from current allocations in the LTFP if possible but that no additional funding was to be allocated for these purposes. In this respect the Champion Centre solar panels have been incorporated in the Bob Blackburn (Champion Centre/Seville Grove Library) upgrade project.

Residential Waste Charges

The Waste Charges have been considered in the context of legislated cost increases and operational cost factors. The following table details these cost increases which are considered to be the minimum increase required to ensure the continuation of the current excellent level of service. The resultant increase amounts to an additional charge of \$14.50 phpa or 4% phpa, which is considered an acceptable increase in the light of the legislative and operational requirements being applied to these activities.

Landfill Levy This is a legislated increase which of necessity is passed on to all users.

Reserve Provision Council resolved that an increase of \$9 per year would apply to the Waste Charge to provide for a reserve to accommodate costs associated with the implementation of the AWT. This implementation has been delayed for a number of contractual reasons, and is now anticipated to be in operation in approximately four years' time.

Considering that the Reserve Provision was intended to be applied for an equal period both before and after the AWT implementation date, it is considered reasonable to apply this initial principle to the current delayed implementation date. Therefore the balance of the reserve provisioning has been recalculated over an extended period of 12 years, reducing the future annual impact to \$3 per household.

The period over which the Reserve Provision amount has been applied has therefore increased to 15 years, anticipating that the AWT implementation will occur at the midpoint of this period in Year 7 (2020/21).

CPI The CPI of 1% used in the balance of the budget calculations has been used for the Residential Waste Charge.

Staffing Waste Services has been under considerable change, specifically the technical demands related to the legislative and compliance aspects of the service – specifically to those related to the management of the landfill.

The one additional technical staffing position included in these costs, is the final increase in staff envisaged for the next 5 years, thereafter the next additions anticipated are related to drivers associated with organic growth and the AWT implementation.

Increase of	\$14.50	(or 3.99%)	ie. from	\$363.00	to	\$377.50
Residential Waste Charge (weekly rubbish, fortnightly recycling)						
The	\$14.50	increase is made up as follows:				
-	\$4.25	-	The State Government Landfill Levy increase from \$60 to \$65 per ton on 1 July 2017			
-	\$3.00	-	Reserve provisioning to implement the Alternative Waste Treatment Plant proposal			
			AWT Reserve - Balance of requirement (\$36) now distributed over 12 years instead of remaining 4 years			
-	\$3.69	-	Additional staffing costs in response to service growth (Number of households is increasing at a rate of 4.9% pa)			
-	\$3.63	-	Cost increases in the goods and services used in Waste Services (CPI at 1%)			

The Residential Waste Charge of \$377.50 is therefore included in the Draft 2017/18 Technical Services Budget in the proposed 2017/18 Fees and Charges.

Asset Management Funding

In order to accommodate the priority projects as determined through the workshop processes, it was proposed that the LTFP allocation for Asset Management Planning was decreased by an amount of \$200,000 for every year in the LTFP. This has necessitated a decrease in the allocation of the capital works allocations in Civil Works, Parks and Properties. With asset renewal being a priority, the allocations for asset upgrade and new assets has been decreased in the LTFP accordingly. The practical outcome will be the decrease in the ability to accommodate community requests for additional (new and upgrade) asset related services.

CONCLUSION

That Committee recommends the 2017/18 Draft Budget Report as presented, with or without modification, for referral to the Special meeting of the City Strategy Committee to be held on 27 June 2017.

RECOMMEND

That Council:

- 1. Refer the Draft 2017/18 Technical Services Directorate Budget Report as presented (with or without modifications), to the Special meeting of the City Strategy Committee to be held on 27 June 2017 (the business of that meeting being to recommend to Council the 2016-2021 Corporate Business Plan and Annual Budget), for consideration and inclusion in Council's 2017/18 Annual Budget.**

ATTACHMENTS

1. See Separate Attachment

2.1 - KELMSCOTT HALL - PROPOSED UPGRADE

WARD : MINNAWARRA
FILE No. : M/292/17
DATE : 8 May 2017
REF : LG/AJ
RESPONSIBLE : Executive Director
MANAGER : Technical Services

In Brief:

- This report follows the previous proposal to Council in June 2016 for upgrades to Kelmscott Hall and amendment to the 2015/16 Annual Budget for expenditure of \$880,900 for this project.

Recommend:

- That Council note the final concept drawing and works program presented in this report for the upgrade to the Kelmscott Hall.

Tabled Items

Nil.

Officer Interest Declaration

Nil.

Strategic Implications

1.2 Active community life that is safe and healthy

1.2.1 Recognise, value and support for everyone

1.2.1.2 Implement the City of Armadale Access and Inclusion Plan

1.2.1.4 Facilitate delivery of children and family programs

2.2 Attractive and Functional Public Places

2.2.1 Deliver attractive and functional streetscapes, open spaces, City buildings and facilities

2.2.1.1 Deliver new and upgraded facilities that are multi-purpose where appropriate

2.2.3 Revitalise existing neighbourhoods whilst retaining the character of places

2.2.3.1 Implement renewal works to have a greater impact in a designated area

2.2.3.2 Contribute to planning for re-invigoration of suburbs

Legislation Implications

Any building works associated with the project would need to be carried out in accordance with the Building Code of Australia and any other relevant legislation and/or Australian Standard.

Council Policy/Local Law Implications

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

- River Road Heritage Planning Policy

Budget/Financial Implications

The works related to the upgrade of the Kelmscott Hall as proposed in this report can be accommodated within the current 2016/17 budget provisions.

Consultation

During the development of the concept design for these proposed improvements, all stakeholders were consulted, as reported in the June 2016 Council report.

- Intra Directorate.
- Inter Directorate.

BACKGROUND

This report follows the report to Council in June 2016 (T30/5/16), recommending:

“That Council:

1. *Accepts the report re: proposal to upgrade the Kelmscott Hall.*
2. *Pursuant to section 6.8 of the Local Government Act 1995,*
 - (a) *authorises* the following expenditure, ie.*
 - *Kelmscott Hall Upgrade \$880,900, and*
 - (b) *accordingly, amends the 2015/16 Annual Budget as follows:*
 - *Increase Kelmscott Hall Upgrade expenditure budget from \$380,900 to \$880,900, and*
 - *Decrease Master Planning Implementation expenditure budget from \$500,000 to \$0.*

**Absolute Majority Resolution Required*

3. *Approves the proposed funding of \$453,000 in 2016/17 for Master Planning Implementation purposes being allocated to the Kelmscott Hall Upgrade project and that this matter be considered at the Special Technical Services Committee on 8th June 2016 when Committee makes recommendation to Council on the Draft 2016/17 Technical Services Directorate Budget.”*

The Kelmscott Hall Upgrade project is the result of the adoption of the Rushton Park Master Plan. Significant consultation took place initially for the purposes of the Master Plan then again in 2016 with identified user groups of the Kelmscott Hall; this time specifically focussing on upgrades required for improved community use of the Hall. The original concept plan evolved during this process, reflecting community feedback. At that time the proposed concept was considered to appropriately address the expectations of user groups.

At the meeting of Council on 13 June 2016, the concept plan was considered and approved (170/6/26). This concept plan has now been further developed with greater detail provided and all the main elements of the original concept plan retained. The added details include aspects specifically required for provision of the additional funding for the upgrade. The relevant plans are attached as Attachments 1 and 2.

DETAILS OF PROPOSAL

The design for the Kelmscott Hall reflects the same elements as the original concept with some developments and additional inclusions. These are as listed below and presented on the plan as Attachment 1:

- Asbestos removal – old entrance flooring, ceilings, electrical board backing, stage area
- New entrance/reception - entrances identified by feature and colour to delineate main entrances
- Front and rear external veranda
- RSL memorial – the City has commenced discussions with the RSL for their input on an alternative location for the memorial
- Upgrade toilets – includes internal and external access
- Additional lesser hall
- Upgraded kitchen and equipment
- Upgraded change rooms with passageway created around the rear of the stage
- Repurposing of old entrance for a meeting room, with external and internal access
- New lighting – specifically to accommodate the lighting requirements for badminton, table tennis and Civic events
- Air conditioning
- Ceiling replacement – necessary due to the asbestos removal
- Flooring upgrade – necessary due to the asbestos removal
- Flooring replacement (main hall) – necessary due to termite damage
- Acoustics design inside the hall – specialist to be engaged
- River Road façade treatment
- Internal wall treatments

Timeline

The proposed timeline for works is as follows:

- June 2017 – Finalise detailed design, specifications, drawing and tender documentation
- July 2017 – Advertise contract of works (3 weeks)
- August 2017 – Appoint contractor
- September 2017 – Contractor on site, works commence
- February 2018 – Practical Completion

COMMENT

The works originally contemplated for the upgrade of the Kelmscott Hall have been defined in greater detail following the community consultation phase. The appointed consulting architect has confirmed that the envisaged scope of works is feasible and that the funding provided will be adequate to complete the works as proposed.

CONCLUSION

The upgrade of the Kelmscott Hall has been the subject of extensive consultation with various user groups and on an inter-directorate level with City officers. The attached concept plan has evolved through this consultation process and reflects a considered approach to an upgrade that will modernise the Kelmscott Hall and provide for the continued use and enjoyment by the community.

RECOMMEND

That Council note the final concept drawings and works program for the upgrade to the Kelmscott Hall, as presented in this report and attachments.

ATTACHMENTS

1. Kelmscott Hall - Proposed Floorplan
2. Kelmscott Hall - Proposed Elevation

3.1 - TENDER 1/17 - CIVIL WORKS AND CONSTRUCTION FOR THE PIARA WATERS (SOUTH) PLAYING FIELD AND SPORTS/COMMUNITY FACILITY

WARD : LAKE
FILE No. : M/235/17
DATE : 19 April 2017
REF : AB
RESPONSIBLE : Executive Director
MANAGER : Technical Services

In Brief:

- Tender 1/17 was recently called for Civil Works and Construction for the Piara Waters (South) Playing Field and Sports/Community Facility.
- Eleven (11) conforming tenders were received by the specified closing time.

Recommend:

- That with Tender 1/17 Civil Works and Construction for the Piara Waters (South) Playing Field and Sports/Community Facility that Council award the tender to Alita Constructions for a period of 59 weeks commencing 19 June 2017 for the consideration of \$6,877,850 excluding GST, in accordance with their submitted Tender, Council contract documentation and budget allocation.

Tabled Items

Nil.

Officer Interest Declaration

Nil.

Strategic Implications

2.2 Attractive and Functional Public Places

2.2.1 Deliver attractive and functional streetscapes, open spaces, City buildings and facilities

2.2.1.1 Deliver new and upgraded facilities that are multi-purpose where appropriate

Legislation Implications

Assessment of legislation indicates that the following apply:

- Section 3.57 *Local Government Act 1995* – Tenders for providing goods or services
- Division 2 *Local Government (Functions and General) Regulations 1996* – Tenders for providing goods or services

Council Policy/Local Law Implications

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

- Council Policy ADM 19 – Procurement of Goods or Services

Budget/Financial Implications

Provision has been made in the 2016/17 Annual Budget commensurate with the award of the successful tender as recommended in this report.

Consultation

- Inter Directorate.
- External Consultant – Fratelle Group Architects (Lead Design Consultants).

BACKGROUND

Tender number 1/17 for Civil Works and Construction of the Piara Waters (South) Playing Field and Sports/Community Facility was advertised in the 11 February 2017 edition of the West Australian newspaper, the City of Armadale website and in a notice which was displayed on the Administration Centre, Armadale, Kelmscott and Seville Grove Libraries public notice boards.

In April 2016, the tender for the Provision of Lead Design Consultancy Services for the Piara Waters (South) Playing Field and Pavilion was awarded to Fratelle Group Architects (T17/4/16). This project was to be designed and constructed in a single stage, inclusive of bulk earthworks, drainage, irrigation, installation of turf, sports lighting, car park works, multiuse pavilion, change facilities and playground.

DETAILS OF PROPOSAL

The City of Armadale invited tenders for Civil Works and Construction for the Piara Waters (South) Playing Field and Sports/Community Facility on Saturday, 11 February 2017.

The successful tenderer will be required to undertake construction of a playing field, multiuse pavilion and change facilities, associated services and civil works, supply and installation of a children's playground and associated landscape works at the Piara Waters (South) shared use site located on Tuberoso Road, Piara Waters.

Tenderers were invited to submit a proposal in the format of a Guaranteed Maximum Price (GMP). This form of tender transfers construction risk to the contractor, rather than the City, as with traditional Lump Sum tenders. The GMP format also ensures any savings resulting from cost underruns (achieved through competitive procurement on the part of the head contractor) are returned to the City, rather than retained by the contractor. The majority of prices submitted are reflective of current market conditions and are lower than anticipated, based on pre tender estimates.

Council approval is sought to award the tender for Civil Works and Construction for the Piara Waters (South) Playing Field and Sports/Community Facility for a period of fifty nine (59) weeks (inclusive of six months turf consolidation period).

COMMENT

Analysis

The RFT seeks the provision of the required goods and services for a period of fifty nine (59) weeks, commencing 19 June 2017, with an option to extend the contract.

The tender closed at 2.00pm on Tuesday, 21 March 2017. Tenders were received from:

	Tenderer's OR Respondent's Name
1.	McCorkell Constructions
2.	Bistel Construction
3.	LKS Constructions
4.	Buildon Construction
5.	Pindan
6.	Firm Construction Pty Ltd
7.	3B Build Pty Ltd
8.	Alita Constructions
9.	Shelford Constructions
10.	Q Design and Construct
11.	Metrocon Pty Ltd

No tenders were received after the deadline.

No non-conforming tenders were received.

An evaluation process was undertaken having specific regard to the following Qualitative Criteria:

Relevant Experience (25%)

This criterion required tenderers to describe their experience in completing similar projects, including details of any issues experienced and ability to deliver on time and within budget. Of the 11 submissions, only those from McCorkell Constructions, Pindan and Alita Constructions scored high in this criterion. McCorkell Constructions provided examples of recent projects they had completed for the City of a similar nature.

Key Personnel (25%)

As a minimum, tenderers were required to provide information on their nominated Project Director, Construction Manager and Site Manager. All submissions provided information on nominated personnel (previous experience, qualifications, etc.), including their availability throughout the project. The submissions received from Alita Constructions and McCorkell Constructions provided more relevant information regarding project and site specific staffing requirements as well as head office support. These two organisations also provided evidence of backup resources, as requested in the RFT documentation. Alita Constructions were particularly strong in this criterion with regards to their playing field subcontractor.

Tenderer's Resources (25%)

Tenderers were requested to provide information concerning their resources (plant, equipment, materials) as well as contingency measures, including backup for nominated personnel. McCorkell Constructions provided a strong team structure and list of subcontractors. Pindan are a large, well resourced company with an excellent subcontractor base. Alita Constructions are a locally based firm with strong in-house resources as well as a strong subcontractor base.

Demonstrated Understanding (25%)

This criterion was specifically looking to identify each tenderer's methodology for delivering the project. Alita Constructions provided a detailed and workable program including critical path. Pindan provided detailed project information. McCorkell Constructions also provided a detailed project program breakdown. All three organisations clearly demonstrated their understanding of the project requirements. The remaining submissions were of a generic nature and did not adequately demonstrate their understanding.

The ranking of the compliant tender submissions as determined by the evaluation panel is as follows:

Tenderer	Relevant Experience	Key Personnel	Tenderer's Resources	Demonstrated Understanding	Total	Pricing %	Ranking
	25%	25%	25%	25%			
McCorkell Constructions	18.33	16.67	15.00	17.50	67.50	80.6	3
Bistel Constructions	10.00	8.33	9.17	8.33	35.83	84.5	10
LKS Constructions	8.33	9.17	7.50	8.33	33.33	86.5	11
Buildon Construction	5.83	6.67	5.00	5.83	23.33	99.1	8
Pindan	15.83	15.00	15.83	15.00	61.66	91.0	2
Firm Construction	10.00	12.50	12.50	11.67	46.67	100.0	4
3B Build	8.33	8.33	5.83	8.33	30.82	99.4	6
Alita Constructions	15.00	18.33	15.83	16.67	65.83	92.0	1
Shelford Constructions	9.17	13.33	12.50	11.67	46.67	96.7	5
Q Design and Construct	7.50	8.33	7.50	7.50	30.83	91.4	9
Metrocon	9.17	6.67	6.67	7.50	30.01	98.1	7

Tendered Price (non-weighted)

The non-weighted cost method was used in the evaluation of the submissions. The non-weighted cost method is used where functional considerations such as capacity, quality and adaptability are seen to be crucial to the outcome of the contract.

The tender submissions were ranked according the qualitative criteria (above) and the evaluation panel then determined affordability, value for money and risk profile, to determine the tender submission that is most advantageous to the City.

Based on the panel's evaluation, using a combination of the above qualitative criteria, referee comments and price, the submission from Alita Constructions represents the most advantageous submission. It is therefore recommended this firm be selected as the City's preferred supplier for the provision of Civil Works and Construction for the Piara Waters (South) Playing Field and Sports/Community Facility.

CONCLUSION

Tenders for Civil Works and Construction for the Piara Waters (South) Playing Field and Sports/Community Facility were recently invited with eleven (11) being received and assessed by an evaluation panel against compliance and qualitative criteria.

The result was that the submission received from Alita Constructions represented the most advantageous tender to the City of Armadale.

The evaluation panel therefore recommends that the contract be awarded to Alita Constructions at a guaranteed maximum price of \$ 6,877,850 excluding GST for a period of fifty nine (59) weeks.

RECOMMEND

That with Tender 1/17 - Civil Works and Construction for the Piara Waters (South) Playing Field and Sports/Community Facility, that Council award the tender to Alita Constructions for a period of fifty nine (59) weeks commencing 19 June 2017 for the consideration of \$6,877,850 excluding GST, in accordance with their submitted Tender, Council contract documentation and budget allocation.

ATTACHMENTS

There are no attachments for this report.

3.2 - TENDER 7/17 - DRILLING OF A GEOTHERMAL TEST-HOLE AT THE ARMADALE AQUATIC CENTRE

WARD : MINNAWARRA
FILE No. : M/289/17
DATE : 5 May 2017
REF : AB
RESPONSIBLE : Executive Director
MANAGER : Technical Services

In Brief:

- Tender 7/17 was recently called for Drilling of a Geothermal Test-hole at the Armadale Aquatic Centre.
- Four (4) conforming tenders were received by the specified closing time.

Recommend:

- That with Tender 7/17 – Drilling of a Geothermal Test-hole at the Armadale Aquatic Centre, that Council Award the tender to Drilling Contractors of Australia for a period of 18 weeks commencing 19 June 2017 for the consideration of up to \$2,993,441 excluding GST, in accordance with their submitted Tender, Council contract documentation and budget allocation.

Tabled Items

Nil.

Officer Interest Declaration

Nil.

Strategic Implications

1.3 The community has the services and facilities it needs

1.3.1 Plan for services and facilities in existing and emerging communities

1.3.1.3 Deliver an all year round indoor aquatic centre

Legislation Implications

Assessment of legislation indicates that the following apply:

- Section 3.57 *Local Government Act 1995* – Tenders for providing goods or services
- Division 2 *Local Government (Functions and General) Regulations 1996* – Tenders for providing goods or services

Council Policy/Local Law Implications

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

- Council Policy ADM 19 – Procurement of Goods or Services

Budget/Financial Implications

Provision has been made in the 2016/17 Annual Budget of \$500,000 to cover the cost of the test hole. Given the costs associated with mobilisation and set up of the drilling equipment, it makes practical sense to proceed directly to drilling of a production bore (depending on the outcome of the test hole). The balance of the expenditure for the production drilling will occur in the 2017/18 period. Provision has been made in the Corporate Business Plan for the full redevelopment of the Armadale Aquatic Centre in 2017/18 and 2018/19. The total cost of geothermal heating is included in the budget figures for the complete redevelopment project as well as being included in the cost estimate that was approved as part of the \$10 million Federal Government grant for the Armadale Aquatic Centre project.

Consultation

- Inter Directorate.
- External Consultant – Rockwater Pty Ltd (hydrology specialists).

BACKGROUND

Tender number 7/17 for Drilling of a Geothermal Test-hole at the Armadale Aquatic Centre was advertised in the 11 March 2017 edition of the West Australian newspaper and in a notice which was displayed on the Administration Centre, Armadale, Kelmscott and Seville Grove Libraries public notice boards.

In September 2016, Tender 15/16 was awarded to Donovan Payne Architects for the Lead Design Consultancy for the Redevelopment of the Armadale Aquatic Centre (CS77/9/16). The design of the Aquatic Centre incorporates the provision for a geothermal heating source. In order to determine the viability of this as a heat source, a test hole is required.

This tender requires the drilling of a deep geothermal test hole, possibly followed by the drilling and installation of geothermal production and injection bores at the Armadale Aquatic Centre.

DETAILS OF PROPOSAL

The City of Armadale invited tenders for the Drilling of a Geothermal Test-hole at the Armadale Aquatic Centre on 11 March 2017.

The successful tenderer will be required to drill a deep geothermal test hole, possibly followed by the drilling and installation of geothermal production and injection bores at the Armadale Aquatic Centre, depending on the outcome of the test hole.

Council approval is sought to award the tender for the Drilling of a Geothermal Test-hole at the Armadale Aquatic Centre for a period of eighteen (18) weeks, as well as one of three options, namely:

1. Completion of a deep direct-use bore option (preferred)
2. Completion of a shallow-bore option
3. Abandon and cap option

The preferred option would be that the test hole delivers results (sufficient water temperature and volume) suitable for a deep direct-use production and injection bore which would provide the most cost effective, efficient and environmentally friendly method for heating the Aquatic Centre water bodies (as well as heating the air in the enclosed pool areas).

Should the test hole deliver results that do not support a deep direct-use option, the secondary choice would be for a shallow-bore option. This method would still provide a suitable heat source, however it may also require a ground source heat pump to boost energy. Whilst still delivering energy cost savings, it would be between five to six times less efficient than the deep direct-use option.

Lastly, should the test hole prove to be completely unsuitable, the test hole would need to be capped. An alternative, conventional heat source would then be required.

COMMENT

Analysis

The Request for Tender seeks the provision of the required goods and services for a period of eighteen (18) weeks, commencing 19 June 2017, with an option to extend the contract.

The tender closed at 2.00 pm on Tuesday, 4 April 2017. Tenders were received from:

	Tenderer's OR Respondent's Name
1.	JSW Australia Pty Ltd
2.	Drilling Contractors of Australia (DCA)
3.	Adams Drillers
4.	Welldrill

No tenders were received after the close of deadline.

No non-conforming tenders were received.

An evaluation process was undertaken having specific regard to the following Qualitative Criteria:

Relevant Experience (35%)

This criterion required tenderers to describe their experience in completing similar projects.

All four tenderers have had experience with deep geothermal bores, to varying degrees. DCA provided evidence that was more directly relevant to the Armadale Aquatic Centre project, and had fewer issues and greater success with deep bores than the other tenderers proposals. Welldrill are currently working on their first deep geothermal project.

Key Personnel (20%)

Tenderers were required to provide information regarding their proposed personnel to be allocated to this project, including their role in the contract and their experience. The project teams nominated by DCA and Welldrill demonstrated a greater level of experience with regard to the specifics of this project, compared with the other submissions. In particular, DCA were able to demonstrate that they were very experienced in the Perth Basin.

Tenderer's Resources (30%)

Tenderers were requested to demonstrate their ability to supply and sustain the necessary plant, equipment and materials to carry out the project, as well as identify any contingency measures. All tenderers provided information regarding their capacity to carry out the project. Regarding the proposed drilling rigs, JSW proposed a 55 tonne rig, Welldrill a 50 tonne rig, DCA a 150 tonne rig (with a supplementary 85 Tonne rig), and Adams Drilling a 60 tonne rig. The rig proposed by DCA is best suited to the requirements of this contract, as advised by the City's specialist hydrology consultant, Rockwater Pty Ltd.

Demonstrated Understanding (15%)

This criterion was specifically looking to identify each tenderer’s methodology for delivering the project, including a project timeline. All submissions included a project program/timeline. The submission from Adams Drilling discussed management of risks and the submission from Welldrill demonstrated a sound understanding of the project. Both of these submissions provided a greater depth of information than the other two submissions.

Tendered Price (non-weighted)

Tenderers were required to submit a price for a test hole as well as a Bill of Quantities (BOQ) and price for three other options (depending on the outcome of the test hole):

1. Completion of a deep direct use bore option (preferred)
2. Completion of a shallow bore option
3. Abandon and cap option

The non-weighted cost method was used in the evaluation of the submissions. The tender submissions were ranked according the qualitative criteria (above) and the evaluation panel then determined affordability, value for money and risk profile to determine the tender submission that is most advantageous to the City.

The ranking of the compliant tender submissions as determined by the evaluation panel is as follows:

Tenderer	Relevant Experience	Key Personnel	Tenderer’s Resources	Demonstrated Understanding	Total	Ranking
	35%	20%	30%	15%		
JSW	18.08	10.67	16.00	8.00	52.75	3
DCA	23.33	14.00	19.00	7.25	63.58	1
Adams Drillers	12.83	9.00	16.50	7.75	46.08	4
Welldrill	19.83	13.67	16.50	11.00	61.00	2

A breakdown of the various option costs is provided in the confidential attachment.

Based on the panel’s evaluation, using a combination of the above qualitative criteria and price, the submission from Drilling Contractors of Australia (DCA) represents the most advantageous submission. It is therefore recommended that DCA be selected as the City’s preferred supplier for the Drilling of a Geothermal Test-hole at the Armadale Aquatic Centre and subsequent production and injection bores, should the test hole prove successful.

CONCLUSION

Tenders for the Drilling of a Geothermal Test-hole were recently invited with four (4) submissions being received and assessed by an evaluation panel against compliance and qualitative criteria.

The result was that the submission received from Drilling Contractors of Australia represented the most advantageous tender to the City of Armadale.

The evaluation panel therefore recommends that the contract be awarded to Drilling Contractors of Australia at a price of (up to) \$2,993,441 excluding GST (inclusive of the option to construct a deep direct use bore duplet consisting of one production bore and one injection bore) for a period of eighteen (18) weeks plus an option to extend the contract.

RECOMMEND

That with Tender 7/17 – Drilling of a Geothermal Test-hole at the Armadale Aquatic Centre, that Council award the tender to Drilling Contractors of Australia for a period of eighteen (18) weeks commencing 19 June 2017 for the consideration of up to \$2,993,441 excluding GST, in accordance with their submitted Tender, Council contract documentation and budget allocation.

ATTACHMENTS

1. Confidential Attachment TEN 7 17 - *This matter is considered to be confidential under Section 5.23(2) (c) of the Local Government Act, as it deals with the matter relates to a contract entered into or which may be entered into by the City of Armadale*

4.1 - IPWEA INTERNATIONAL PUBLIC WORKS CONFERENCE 2017 - PERTH

WARD : ALL
FILE No. : M/309/17
DATE : 15 May 2017
REF : KA
RESPONSIBLE : Executive Director
MANAGER : Technical Services

In Brief:

- The Institute of Public Works Engineering Australasia (IPWEA) biennial International Public Works Conference will be held in Perth from 20-23 August 2017 at the Perth Convention and Exhibition Centre.
- Nomination of Councillor(s) to attend the conference is sought as detailed in this report.

Recommend:

That Council:

1. Nominate Councillor(s) as delegate(s) to the IPWEA International Public Works Conference 2017.

OR should no nominations be received, then the recommendation is as follows:

Make no nomination for Councillor attendance at the IPWEA International Public Works Conference 2017.

2. Note the attendance of Officers as delegates to the IPWEA International Public Works Conference 2017.

Tabled Items

Nil.

Officer Interest Declaration

Nil.

Strategic Implications

4.1 Visionary Civic leadership and sound governance

4.1.3 Support the role of the elected body

4.1.3.3 Advocate and support Councillor engagement in outside bodies and events to maintain awareness and enhance the City's knowledge base

Legislation Implications

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

Council Policy/Local Law Implications

Assessment of Policies/Local Laws indicates that the following is applicable:

- Council Policy ADM3 – Conferences, Seminars, and Training

Budget/Financial Implications

Allowances for Officer and Councillor attendance at conferences have been made within the 2016/17 budget.

Consultation

- Intra Directorate.

BACKGROUND

The biennial Institute of Public Works Engineering Australasia (IPWEA) International Public Works Conference 2017 will be held in Perth from 20-23 August 2017 at the Perth Convention and Exhibition Centre. The biennial event is the largest public works conference held in Australia.

The theme of the 2017 conference is “*Taking Flight for the Future – Head West for New Frontiers*” The conference will explore topics including but not limited to:

- Urban Design
- Innovation and Technology
- Leadership and Management
- Asset Management
- Technical Sessions with a focus on Road Pavements
- Community and Infrastructure

Keynote speakers at the 2017 conference will include:

- Mr Jon Williams, Joint Global leader, People & Organisation, Managing Partner at PWC. **Keynote Address** “*The Future of Work*”
- The Hon. Kim Beazley, AC, Former Deputy Prime Minister of Australia and Australian Ambassador to the United States of America. **Keynote Address** “*American Alliance in the Year of Trump*”
- Mr Simon Ginn, Engineer and Urban Planner. **Keynote Address** “*How Driverless Cars & Trucks May Impact on Society and The Future Design & Layout of Built Infrastructure*”
- Ms Dhakshy Sooriyakumaran, YLAB Director, Foundation for Young Australians. **Keynote Address:** “*The Children of the Disruptive Technology Age – What can they expect from the workplace*”
- Professor Majid Sarvi, Professor, Melbourne University. **Keynote Address:** *Connected Multimodal Transport Test Bed a Path to Autonomous Transport*”

A copy of the full conference program providing further detail on the scheduled sessions and workshops is attached (Attachment 1).

COMMENT

The Conference covers a wide range of issues related to the activities and functions performed by the Technical Services Directorate and Councillors will benefit from the Technical Papers and Discussion Documents presented.

Attendance costs are approximately \$2060 per person.

Councillors should note – Policy and Management Practice *ADM 3 Conferences, Seminars and Training* in item 2 (d) of the Management Practice states that:

“Where a member of Council at the date of the conference, seminar or training course has an electoral term of less than six (6) months to complete, such member shall be ineligible to attend unless such is specifically authorised by Council.”

RECOMMEND

That Council:

1. **Authorise Councillor(s)as per ADM 3 2 (d), to attend the IPWEA International Public Works Conference 2017.**

***OR* should no nomination be received, then the recommendation is as follows:**

Make no nomination for Councillor attendance at the IPWEA International Public Works Conference 2017.

2. **Note the attendance of Officers as delegates to the IPWEA International Public Works Conference 2017.**

ATTACHMENTS

1. Conference Program - 2017 IPWEA International Public Works Conference

COUNCILLORS' ITEMS

Nil.

EXECUTIVE DIRECTOR TECHNICAL SERVICES REPORT

Nil.

MEETING DECLARED CLOSED AT _____

TECHNICAL SERVICES COMMITTEE		
SUMMARY OF ATTACHMENTS		
7 JUNE 2017		
ATT NO.	SUBJECT	PAGE
1.1 TECHNICAL SERVICES DIRECTORATE 2017/18 DRAFT BUDGET		
1.1.1	See Separate Attachment	33
2.1 KELMSCOTT HALL - PROPOSED UPGRADE		
2.1.1	Kelmscott Hall - Proposed Floorplan	34
2.1.2	Kelmscott Hall - Proposed Elevation	35
4.1 IPWEA INTERNATIONAL PUBLIC WORKS CONFERENCE 2017 - PERTH		
4.1.1	Conference Program - 2017 IPWEA International Public Works Conference	36

Technical Services Directorate
2017/18 Draft Annual Budget

See Separate Attachment



A	21/03/17	ISSUED FOR COMMENT
NO.	DATE	REVISION

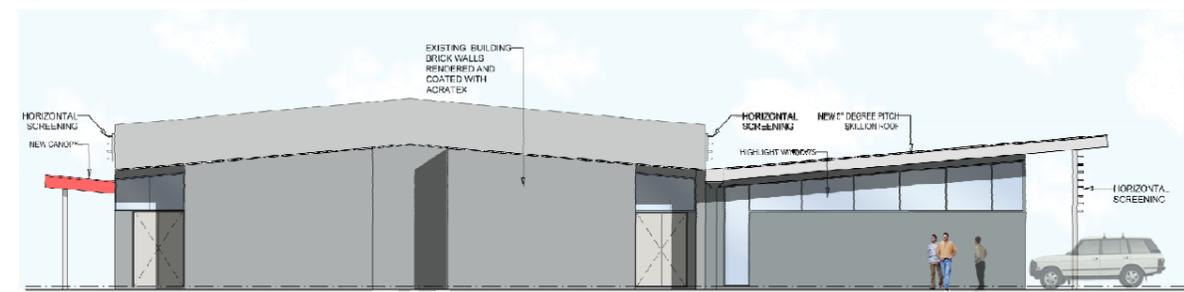
gpa
 GROUP PRACTICE ARCHITECTS
 100/102 GPO BOX 1212 MELBOURNE VIC 3001
 PH: (03) 9412 1212 FAX: (03) 9412 1229
 100/102 GPO BOX 1212 MELBOURNE VIC 3001
 PH: (03) 9412 1212 FAX: (03) 9412 1229

KELMSCOTT HALL UPGRADE
FLOOR PLAN

PROJECT No.	1641	DWG No.	REV
DRAWN	SB	DATE	21.03.2017
SCALE	1:100 @ A1	CHECKED	FILE No.
<small> BUILDERS MUST CHECK ALL DIMENSIONS ON THE SITE BEFORE COMMENCING ANY WORK OR MAKING ANY 2-DP DRAWINGS WHICH MUST BE SUBMITTED AND APPROVED BEFORE MANUFACTURE. THIS DRAWING IS THE PROPERTY OF THE ARCHITECTS AND IS SUBJECT TO THEIR CO. REQUIREMENTS. </small>			



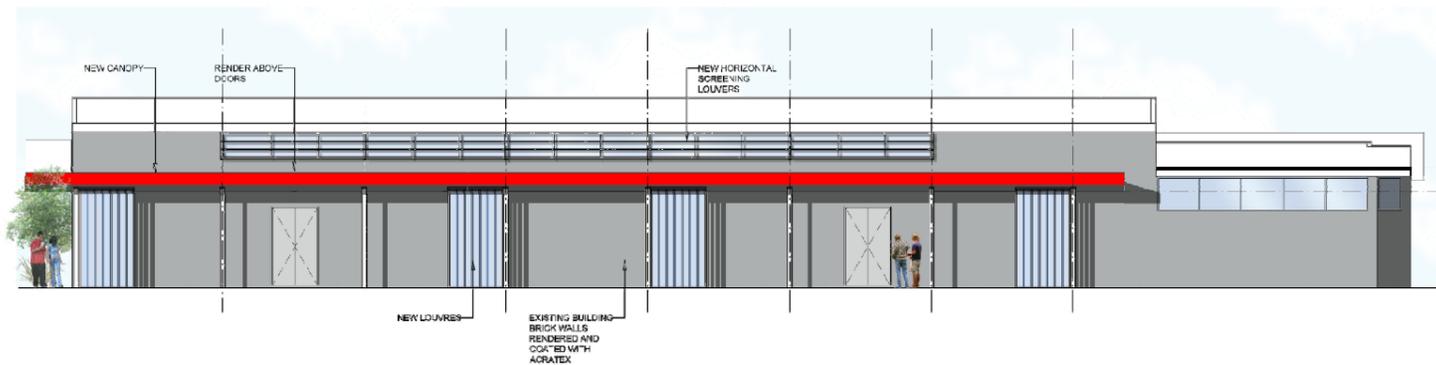
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SCALE 1:100



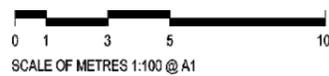
02 EAST ELEVATION
SCALE 1:100



03 NORTH ELEVATION
SCALE 1:100



04 SOUTH ELEVATION
SCALE 1:100



No.	DATE	REVISION
A	21/03/17	ISSUED FOR COMMENT



KELMSCOTT HALL UPGRADE
ELEVATIONS

PROJECT No.	1641	DWG No.	SK3.01	REV.	A
DRAWN BY	SB	DATE	21.03.2017	CHECKED	
SCALE	1:100 @ A1 1:300 @ A3	CHECKED		FILE No.	

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TAKING FLIGHT FOR THE FUTURE

HEAD WEST FOR NEW FRONTIERS

INTERNATIONAL PUBLIC WORKS CONFERENCE 2017

PERTH, 20-23 AUGUST, 2017

REGISTRATION BROCHURE



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- Komatsu
- Landmark Products
- Mainmark
- Plan A Ltd
- PUMA
- TCD Civil Construction
- Terra Firma Industries
- Wagners Composite Fibre



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INVITATION FROM THE CHAIR

On behalf of the IPWEA Australasian Board and the Conference Organising Committee we have pleasure in welcoming you to the Perth International Public Works Conference being held at the Perth Convention and Exhibition Centre.



Taking Flight for the Future - Head West for New Frontiers is the theme of the Conference and we trust you will be stimulated by and gain valuable insights from the extensive and impressive speaker line-up which has been assembled for this outstanding event. With a full program, significant networking and social functions held at iconic venues, a comprehensive exhibition of products and services, technical tours showcasing the very best of the best, and partner tours and activities, this is a Conference offering something for everybody involved with public works.

This is your chance to witness the significant change that has occurred in Perth in recent years and when you have finished with the Conference, take time to sample some great wines and food, or take a stroll along the many great white sandy beaches that the west coast is renowned for.

We particularly welcome all our sponsors and exhibitors, our international delegates and young delegates, especially those attending their first Conference.

Dave Harris

CHAIR, CONFERENCE ORGANISING COMMITTEE
PAST PRESIDENT, IPWEA AUSTRALASIA



HOSTED BY THE INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALASIA

The Institute of Public Works Engineering Australasia (IPWEA) is the professional organisation providing member services and advocacy for those involved in and delivering public works and engineering services to the community both in Australia and New Zealand.

Almost all of Australia and New Zealand's professional consultancy firms which specialise in public sector infrastructure including roads, water, power, rail, ports and airports - are members of IPWEA.

The evolution of IPWEA over the past decade from its traditional local government engineering focus to public works has added a new dimension to public works professionalism. Members come from the wide range of professions involved in public works and services - engineers, technicians, public works directors, contractors, consultants, managers, and other technical staff and managers. Membership grades also reflect their achievements within the Institute.

IPWEA is recognised nationally and internationally for its leadership and delivery of products and services aimed at advancing public works knowledge and delivering better outcomes for the community.



TAKING FLIGHT FOR THE FUTURE, HEAD WEST FOR NEW FRONTIERS

Reasons to Attend

The IPWEA International Public Works Conference is the largest public works Conference held in Australia and is only held once in every two years. Choose from 6 concurrent streams, with over 100 papers, plus 5 plenary sessions with expert keynote speakers.

The benefits received from attending this important Conference include:

- Networking with your peers
- Discuss the latest trends
- Build professional bridges to the future
- Get the latest word on emerging issues
- Put professional challenges in perspective
- Take home the best of ideas and innovations
- Gain continuing education specific to public works
- Learn about the latest technological advances
- Network with international public works professionals
- Visit the comprehensive exhibition of new products and services
- Meet consultants and private-sector representatives from all areas of public works

DELEGATE PRIZE

ALL FULL CONFERENCE DELEGATES WILL BE ELIGIBLE TO WIN A KAWASAKI NINJA MOTORCYCLE!



Conditions apply. For full competition details please visit: www.assetfinda.com/prize-register

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HOST CITY PERTH

Set on the banks of the broad Swan River, this modern city is often described as the most isolated city of its size in the Western World. Boasting more hours of sunshine than any other capital City in Australia, the pleasant weather and diverse mix of urban, coastal and culinary experiences makes Perth an ideal holiday destination for both domestic and international visitors.

The whole region around Perth has been likened to one big holiday resort with multiple attractions, miles of clean beaches and waterways, award-winning wineries, adventure activities of every kind and accommodation to suit all budgets.

The city is lined with pedestrian malls jam-packed with a wide variety of shops from inventive boutiques to national and global flagship stores where you can stock up on stylish fashions, buy some Aboriginal art or simply sit at a café and watch the parades of people passing by.

For more information on Perth contact the Western Australian Visitor Centre.

Street Address:

55 William Street, Perth
Western Australia 6000

Postal Address:

GPO Box 2545, Perth WA 6001

Telephone: +61 8 9483 1111

or toll free in Australia 1800 812 808

Email: travel@westernaustralia.com

Website: www.wavisitorcentre.com.au



HOST VENUE PERTH CONVENTION AND EXHIBITION CENTRE

Address: 21 Mounts Bay Road, Perth
Western Australia 6000

Telephone: +61 (0)8 9338 0300

Email: info@pcec.com.au

Website: www.pcec.com.au

The Perth Convention and Exhibition Centre (PCEC) was purpose-built to cater to all requirements of modern conferences and events, small and large.

Through the innovative fusion of space, catering, technology and design, PCEC provides an unequalled range of meeting possibilities optimally suited to promoting positive interactions between business, industry and community.

With an estimated 900,000 people attending one (or more) of the 600 plus events conducted at Perth Convention and Exhibition Centre each year, it's no surprise PCEC is Perth's premier business event destination.



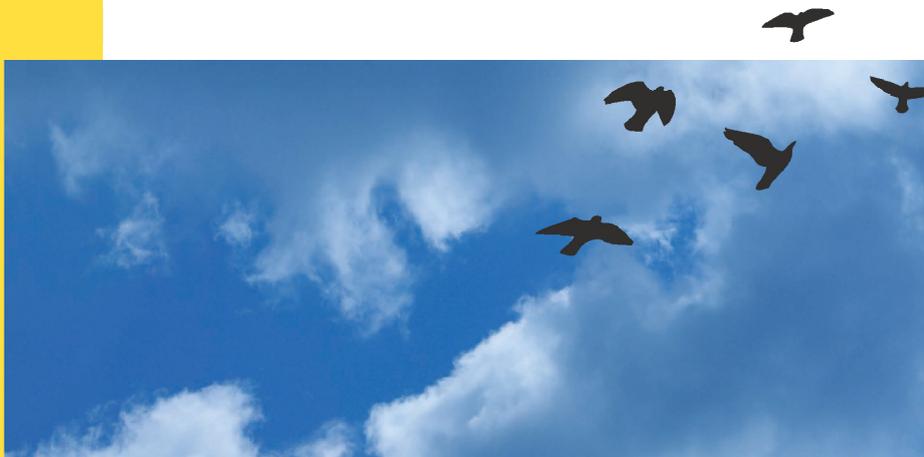
CONFERENCE ORGANISING COMMITTEE

Dave Harris	CITY OF GOSNELLS	CHAIR
Robert Fuller	IPWEA	CEO
Ross Moody	IPWEA	EXECUTIVE OFFICER
Cathy Higgs	IPWEA WA	EVENTS & TRAINING COORDINATOR
Allan Claydon	CITY OF MANDURAH	
Anthony Vuleta	TOWN OF VICTORIA PARK	
Doug Pearson	CITY OF BAYSWATER	
Ian Thew	OPUS	
Tom Stacey	OPUS	

CONFERENCE ORGANISERS

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Website: www.alloccasionsgroup.com





SPEAKERS



Jon Williams

JOINT GLOBAL LEADER, PEOPLE & ORGANISATION,
MANAGING PARTNER AT PWC

Jon leads PwC's People business in Australia and is also Global Leader for People and Organisation - which provides a range of Human Capital solutions and consulting through 10,000 Partners and staff in 138 Countries. He has expertise in leadership, organisational culture, talent management and employee capability development and engagement.

Jon has over 25 years consulting experience across Europe, Asia and Australia helping clients primarily in the banking, retail, consumer goods and telecommunications industries. Prior to joining PwC Jon was the Managing Principal for the Gallup Organisation in Australia and New Zealand and prior to that Asian Region Talent Practice leader and Managing Director, Australia/ New Zealand for Hewitt Associates



The Hon Kim Beazley, AC

FORMER DEPUTY PRIME MINISTER OF AUSTRALIA
AND AUSTRALIAN AMBASSADOR TO THE
UNITED STATES OF AMERICA

Mr Beazley was elected to the Federal Parliament in 1980 and represented the electorates of Swan (1980-96) and Brand (1996-2007).

KEYNOTE SPEAKERS

Mr Beazley was a Minister in the Hawke and Keating Labor Governments (1983-96) holding, at various times, the portfolios of Defence, Finance, Transport and Communications, Employment Education and Training, Aviation, and Special Minister of State. He was Deputy Prime Minister (1995-96) and Leader of the Australian Labor Party and Leader of the Opposition (1996-01 and 2005-06). Mr Beazley served on parliamentary committees, including the Joint Intelligence Committee and the Joint Foreign Affairs, Defence and Trade Committee.

After his retirement from politics in 2007, Mr Beazley was appointed Winthrop Professor in the Department of Politics and International Relations at the University of Western Australia. In July 2008 he was appointed Chancellor of the Australian National University, a position he held until December 2009. Mr Beazley took up an appointment as Ambassador to the United States of America in February 2010. He served as Ambassador until January 2016.

Upon returning to Australia he has been appointed as President of the Australian Institute for International Affairs, Distinguished Fellow at the Australian Strategic Policy Institute, Senior Fellow at the Perth USAsia Centre and Board Member of the Australian American Leadership Dialogue.



Simon Ginn

ENGINEER & URBAN PLANNER

Simon is an engineer and urban planner with over 25 years' experience in planning infrastructure. The focus of Simon's career has been on planning transport infrastructure and the layout and design of the urban form.



SPEAKERS

He holds degrees in engineering, sciences, urban planning and marketing. He is a chartered engineer.

Simon has worked on key infrastructure projects in Australia, New Zealand, Middle East, Europe and North America. Simon is a bit of a visionary and regularly thinks 'outside the box'



Dhakshy Sooriyakumaran

YLAB DIRECTOR, FOUNDATION FOR YOUNG AUSTRALIANS

Dhakshy is a Director of YLab, a new social enterprise being incubated by the Foundation for Young Australians. YLab is a global youth-led social solutions incubator and education provider. Its mission is to build a global network of young people and institutions taking on the biggest challenges of our time.

Dhakshy is a social entrepreneur, recovering civil engineer, management consultant and yoga teacher. She has led the design of large scale programs for young people such as \$20 Boss and specialises in the development of social impact strategy and impact measurement frameworks. Dhakshy has worked across public, private and not-for-profit sectors for a range of organisations including the United Nations International Strategy for Disaster Reduction (UNISDR) in Fiji, Net Balance, Small Giants, Sinclair Knight Merz (now Jacobs). She holds a Bachelor's Degree in Civil Engineering and Arts from the University of Melbourne and a Graduate Certificate in Social Impact from Melbourne Business School.

KEYNOTE SPEAKERS



Professor Majid Sarvi

PROFESSOR, MELBOURNE UNIVERSITY

Majid Sarvi is the Chair in Transport Engineering and the Professor in Transport for Smart Cities at the University of Melbourne. He received his PhD degree in Transportation Engineering from Tokyo University (2001). He also holds a M.Eng and B.Eng degrees in Civil Engineering.

He has over 20 years of professional, academic and research experience in the areas of traffic and transport engineering. His researches are multidisciplinary with international outlook and both theoretically oriented and applied in nature. His fields of research cover a range of topics, including: crowd dynamic modelling and simulation, large-scale multimodal transport network modelling, vulnerability and optimization, as well as traffic flow theory and operations.

He has been the author/co-author of over 220 refereed publications in top transportation journals and various Conference and symposia proceedings. This includes 88 ISI publications listed in Scopus and 5 papers in the International symposium of Traffic and Transportation Theory (ISTTT). He currently serves on the editorial board of several journals including Transportation Research Part C, Journal of Advanced Transportation, Transportmetrica, and Journal of Transportation Letters.



SPEAKERS

MASTER OF CEREMONIES



Gerry Gannon

One of Ireland's finest exports, Gerry Gannon has been a journalist, broadcaster, MC and media trainer in Australia for the last 30 years and is now one of the best known speakers and facilitators in Australia.

After a decade with ABC radio in Western Australia, Gerry left to pursue a career that would bring him closer to audiences and allow him to explore parts of the world he couldn't do from the inside of a radio studio. He established Indonesia's first English language radio station in Bali, served on the council, and as President, of the Royal Flying Doctor Service and on the board of the Tourism Council of WA.

Gerry is committed to community and non-profit organisations and has also been a board member of Access 31 Television, Kids Help Line and is a Fellow of the Australian Institute of Company Directors.

A specialist Conference MC, facilitator and media expert, Gerry is renowned for his wit, passion, easy-going nature and commitment to those he works with. He has worked extensively in both Australia and overseas and provides media skills training to government, not-for-profit organisations and industry entities, as well as conducting speech and presentation training courses.

Gerry's real passion is people; whether it is helping them reach their potential through training and support, MC at an event or providing valuable perspective and advice, Gerry's easy humour and experience provides a refreshing opportunity for growth and knowledge for everyone he meets.

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INTERNATIONAL FELLOWSHIP PROGRAM

The American Public Works Association (APWA) International Affairs Committee and Eisenhower Institute at Gettysburg College have awarded two Jennings Randolph Fellowships for attendance at the Conference. The fellowship awardees, Evan Pratt and Joanne Zhang will both speak in sessions during the Conference.



Joanne Zhang

Joanne is a Public Sector Civil Engineer from Los Angeles, California. She has diverse perspective and multi-disciplinary experience in construction management, project management, structural engineering and private development services. Millennial recruiter and mentor with a passion for fostering innovation and creativity in Public Works.

The purpose of Joanne's study tour is to study the ways that Australia is fostering a culture of innovation in Public Works and its effect on attracting and retaining talent and on capital project delivery. The goal is to provide insight on how Australia has implemented successful initiatives to foster a culture of innovation with limited resources and to inform an effective Innovation Strategy for the American Public Works.



Evan Pratt

Evan is currently the Director of Public Works & Water Resources Commissioner with Washtenaw County, MI. His study project will focus on Asset Management in Australia and New Zealand, and will result in a strong story to share with APWA and legislators about legislative mechanisms, administrative structure, and government's role in technical support to link funding with Asset Management.





PRELIMINARY PROGRAM OUTLINE

SUNDAY, 20 AUGUST 2017

15.00 – 19.45	Registration Open
17.00 – 18.00	International Delegates & Under 35's Welcome (by invitation only)
18.00 – 20.00	Welcome Reception Sponsored by Complete Urban

MONDAY, 21 AUGUST 2017

07.15	Registration Open Complimentary Light Breakfast in the Exhibition Hall				
08.15	Official Opening Ceremony & Special Welcome				
09.15	Keynote Address: The Future of Work Jon Williams, Joint Global Leader, People & Organisation, Managing Partner - PwC				
10.00	Morning Tea in the Exhibition Hall				
10.30	SESSION 1				
	Mobility I	Innovation & Technology I	Leadership & Management I	Community & Infrastructure I	Pavements 1
	One Road Network Classification – NZ Road Network <i>Garry McGraw, Kaipara District Council, New Zealand</i>	Characteristics of Pavement Materials Treated with Polyacrylamide Based Additive <i>Romel Georgees, Swinburne University of Technology, Victoria</i>	Relationship Contracting For Civil Construction by Standing Offer Panel Arrangements <i>Simon Malouf, Logan City Council, Queensland</i>	It's Your Community... So Communicate <i>Greg Blaze, Maitland City Council, New South Wales</i>	Evaluation of Remaining Life of Asphalt Pavement Using FWD <i>Komsun Siripun, Pavement Management Services, Western Australia</i>
	How to Sweat Our High Value Assets <i>Claire Vanderplank, Department of Transport, Western Australia</i>	Evaluation of Additives for Insitu Recycling of Local Government Roads <i>Don Cameron, University of South Australia</i>	How Commercialising Coffs Cityworks Created Benefits For The Council, Community and Staff <i>Dan Bonifant, Morrison Low, New South Wales</i>	Community Transformation Through Engagement <i>Kathryn Johnson, Port Pirie Regional Council, South Australia</i>	Best Practice in Pavement Engineering <i>Dr Bryan Pidwerbesky, Fulton Hogan, New Zealand</i>
	The Road Efficiency Group: Transforming Transportation Asset Management in NZ <i>Grant Holland, Waugh Infrastructure Management Ltd, New Zealand</i>	Disruption and Revolution: A Road to Innovation <i>Mark Pilgrim, Stabilcorp Pty Ltd, New South Wales</i>	How an Organisation Adapted into a New Working Environment <i>Neil Beckett, New Zealand Transport Agency, New Zealand</i>	Witchliffe Eco Village – Designing a Sustainable Community <i>Wayne Pragnell, Sustainable Settlements, Western Australia</i>	Sustainable Approach to Maintenance of Low Trafficked Surfaced Roads <i>Trevor Distin, Colas Australia, New South Wales</i>
					Asset Management I Robin Hood As Grants Commissioner: Who's Rich Who's Poor <i>John Comrie, JAC Comrie, South Australia</i> Ben Lawson, Common Thread Consulting, New South Wales Should Infrastructure Decisions Be Constrained By The Budget <i>David Hope, Skilmar Systems Pty Ltd, South Australia</i> Challenges And Opportunities In The Valuation of Local Roads In The Philippines <i>Michael Canares, Step Up Consulting, Bohol, Philippines</i>
12.00	Lunch in the Exhibition Hall				
13.00	Keynote Address: American Alliance in the Year of Trump Kim Beazley, FORMER DEPUTY PRIME MINISTER OF AUSTRALIA & AUSTRALIAN AMBASSADOR TO THE USA				



PRELIMINARY PROGRAM OUTLINE

14.00	SESSION 2					
	Mobility II	Innovation & Technology II	Leadership & Management II	Community & Infrastructure II	Stormwater I	Asset Management II
	A New Approach to Developing Integrated Efficient Public Transport - First Mile <i>Gleb Kolenbet, Redland City Council, Queensland</i>	Ocean Road Recreation Area - Wastewater Re-Use <i>Terry Blanchard, City of Mandurah, Western Australia</i>	Challenges and Triumphs when Implementing a Work Management System <i>Alison Saunders, City of Greater Dandenong, Victoria</i>	Embedding Culture into Community and Family Centres <i>Mr Saurabh Chandra, Wyndham City Council, Victoria</i> <i>Mr David Campagnolo, Wyndham City Council, Victoria</i>	The Use of Variable Programmes Co-Efficients In Urban Drainage <i>Andrew Barry, Marino Evangelisti</i>	Risk Management And Statistics In Large Asset Portfolios <i>Mr Hein Aucamp, WA Integrated Asset Management, Western Australia</i>
	The Human Rights of Footpath Access <i>Ken Bott, Bayside City Council, Victoria</i>	Managing the Energy Transition Through the Diversification of Renewable Energy <i>John Davidson, Energy Made Clean, Western Australia</i>	Developing Your Next Presentation To Effectively Communicate and Achieve Focussed Outcomes <i>Chris Champion, Institute Of Public Works Engineering Australasia, New South Wales</i>	Eagle Stadium: A Journey to Reality <i>Mauro Covacci, Wyndham City Council, Victoria</i>	Time for Concentration - Stormwater Management In Bendigo <i>Mark Atkinson, City Of Greater Bendigo, Victoria</i>	Risk Based Decision Making For Infrastructure Investment <i>D. Moore</i>
15.00	Afternoon Tea & Speed Networking in the Exhibition Hall					
16.00 - 17.00	SESSION 3					
	Mobility III	Innovation & Technology III	Leadership & Management III	Community & Infrastructure III	Stormwater II	Asset Management III
	Clip on Cycleway <i>Ken Robinson, Wagners</i> <i>Composite Fibre Technologies, Queensland</i>	Non Destructive Structural Assessment of Structures Using In-Service Dynamic Response <i>James O'Grady, Mainmark, Victoria</i>	Formation Flying: Creating The 'Uber' Work Environment For Professional Services <i>Caroline Boot, Plan A Ltd, Auckland, New Zealand</i>	Mandurah Aquatic and Recreation Centre Redevelopment <i>Matthew Hall, City Of Mandurah, Western Australia</i>	Yangebup Lane WA Solar Power Nutrient Stripping Trial <i>Christopher Beaton, City of Cockburn, Western Australia</i>	Road Asset Performance Study - A Wollongong Case Study <i>Peter Tobin, Wollongong City Council, New South Wales</i>
	Improving Pedestrian, Bicycle and Public Transportation Traffic Winter Conditions In Helsinki <i>Esko Laiho, City Of Helsinki Public Works Department, Uusimaa Finland</i>	Virtual Survey - A Coming of Age <i>Gareth Evans, MING Survey, Western Australia</i>	Innovation: Harnessing the Power of Creative Minds <i>Colin Chapman, Queensland Urban Utilities, Queensland</i>	The Adventure Park - Kwinana <i>Reza Najafzadeh, City Of Kwinana, Western Australia</i>	Biophillic Design In a WA Context <i>Brendan Oversby, Calibre Consulting, Western Australia</i>	Asset Renewal Funding: A Long Term Approach <i>Marius Vermeulen, City of Armadale, Western Australia</i>
19.00	Night Market Dinner at the Perth Convention & Exhibition Centre - Don't forget to wear your loud shirt!					

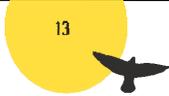


PRELIMINARY PROGRAM OUTLINE

TUESDAY, 22 AUGUST 2017

07.30	Registration Open Complimentary Light Breakfast in the Exhibition Hall					
08.30	Keynote Address: How Driverless Cars & Trucks May Impact on Society and The Future Design & Layout of Built Infrastructure Simon Ginn, ENGINEER & URBAN PLANNER Followed by a <i>Panel Session facilitated by Gerry Gannon</i>					
10.00	Morning Tea in the Exhibition Hall					
10.30	SESSION 4	Innovation & Technology IV	Leadership & Management IV	Community & Infrastructure III	ARRB I	Asset Management IV
	Mobility IV Connecting Cities Through Foot & Pedal <i>Louise Fogarty, Jacobs, Western Australia</i> Perth End of Trip Facilities Study <i>A. McCormick, A. Greig & C. Gazey</i>	Advancing a Smart Street Light Project <i>Ren Niemann & John Kettle, McCullough Robertson, Queensland</i> Smart Street Lighting, Smart City, Smart Standards <i>Anthony Ogle, City of Ryde, New South Wales</i> New Technologies or Smart Cities <i>Henk De Graaf, Western Australia</i>	An Overview of IPWEA 2016 International Study Tour <i>Gleb Kolenbet, Redland City Council, Queensland</i> Engineering Cadetships in Councils Workforce Planning – NSW <i>YIPWEA'S Perspective Hamish Scroope, Queanbeyan Palerang Regional Council, Australian Capital Territory</i> Collaboration and Business Case Approach – A Journey Of Discovery From the Shakey Isles <i>Edward Guy & Neil Cook, Rationale Ltd, New Zealand</i>	Mills Park Redevelopment Project <i>Paul McAllister, City Of Gosnells, Western Australia</i> Blue-Green Pocket Park for Long Term Central Park Vision <i>Jennie Arts, & Jeremy Maher, City of Bayswater, Western Australia</i> Factors Behind Maintenance and Energy Costs in School Buildings <i>Topi Korpela, Grandlund Ltd., Finland</i>	<i>Technical sessions with a focus on road pavements. Details TBA</i>	A Journey Towards Strategic Asset Management In A Local Council In NSW <i>Misbah Khan, Central Coast Council, New South Wales</i> Combining Asset Genetics With Innovative Technologies To Unlock Hidden Capital <i>James Esson, Assetic Australia, Queensland</i> ISO55000AM Standards And NAMS Resources Working Together <i>Mr Peter Way, IPWEA, Australasia</i>
12.00	Lunch in the Exhibition Hall					
12.45	Safe Roads Of The Future – Technology Platforms International Speaker sponsored by 3M, ST PAUL, MINNESOTA					





PRELIMINARY PROGRAM OUTLINE

13.30	SESSION 5	<p>Urban Design</p> <p>Sustainability: Life, Liberty and the Pursuit of Negative Entropy <i>John Milne, Clark County Public Works, Washington, USA</i></p> <p>Tree Retention and Applying AS 4970 in Perth <i>Robert Bodenstaff, Arbour Centre P/L, Western Australia</i></p> <p>Implementing an Urban Tree Canopy Program for the City of Swan <i>Shelley Shepherd, Urbaqua, Western Australia</i></p>	<p>Innovation & Technology V</p> <p>Maintaining Street Dust at Minimum Level <i>Tarja Myller, Maintenance Engineer, Finland</i></p> <p>Long Life Pavement Marking Trial <i>Michael Chin, Main Roads, Western Australia</i></p>	<p>Leadership & Management V</p> <p>Diversity Powers Innovation <i>Priyani de Silva-Currie, Calibre Consulting Ltd, New Zealand</i></p> <p>Collaborative Integration – Bridging the Workplace Generation Gap <i>Kelvin Hill, Western Bay Of Plenty District Council, New Zealand</i></p> <p>Almost 50 Years a Civil Designer <i>Terry McIvor, Toowoomba Regional Council, Queensland</i></p>	<p>Stormwater III</p> <p>Sustainable Water Management – New Directions <i>Jim Davies & Alex Rogers, JDA Consultant Hydrologists, Western Australia</i></p> <p>Flood Mitigation For Existing Urban Environments <i>Justin Hinch, Warrnambool City Council, Victoria</i></p> <p>Source Control Stormwater Management <i>Owen Richards & Simon Wallis, SOMe Engineering</i></p>	<p>ARRB II</p> <p><i>Technical sessions with a focus on road pavements. Details TBA.</i></p>	<p>Asset Management V</p> <p>Engaging US Communities In Setting Level of Service Goals: Development Of Standard LOS Goals For Drinking Water <i>Heather Himmelberger, Southwest Environmental Finance Center, New Mexico, USA</i></p> <p>Toowoomba Regional Council: The Level Of Service Journey For Road Services <i>M. Brady, J. Weiggamge, G. Jordan</i></p> <p>Preparing A Road Investment Plan Case Study: Ramu Highway Papua New Guinea <i>Dr Neville Binning, EDAB Consulting P/L & Brian Hartley, Shawmac, Western Australia</i></p>
15.00 Afternoon Tea in the Exhibition Hall							
15.30 – 17.00	SESSION 6	<p>Risk Management</p> <p>Disaster Hub – A New Way of Connecting With Our Community During Disasters <i>Mr Andrew Ryan, Sunshine Coast Council, Queensland</i></p> <p>Disaster Recovery Clean Up Phase Learnings <i>Mr Rene Baur, Shire of Mundaring, Western Australia</i></p> <p>WCC Project Management Framework <i>Mark Roebuck, Wollongong City Council, New South Wales</i></p>	<p>Innovation & Technology VI</p> <p>Environmental Removal of Oil Spills Without Damage to Infrastructure Materials <i>Gary Pearce, S200 Oilgone, New South Wales</i></p> <p>Digest This – Waste to Energy <i>George Ridley, Cowra Shire Council, New South Wales</i></p>	<p>Leadership & Management VI</p> <p>Organisational Management <i>Søren Gais Kjeldsen, Environment and Energy Department, KTC Denmark, Northern Jutland, Denmark</i></p> <p>Clever Buying: Grounding the Best International Procurement Model <i>Ms Caroline Boot, Plan A Ltd, New Zealand</i></p> <p>Innovative Leadership In Logan City <i>Silvio Trinca & T. Goodhew, Logan City Council, Queensland</i></p>	<p>Stormwater IV</p> <p>Joint Probability Hydrology – Groundwater & Rainfall <i>Martin Wright</i></p> <p>City of Armadale – The Water Resource Management for Land Development <i>Neil Burbidge, City of Armadale, Western Australia</i></p> <p>Design Criteria For Low Grade Drainage Systems <i>Manno Evangelist, P Wiseman Iain Castle, Cardno, Western Australia</i></p>	<p>ARRB III</p> <p><i>Technical sessions with a focus on road pavements. Details TBA.</i></p>	<p>Asset Management VI</p> <p>The Evolving Acronym: Development Of Asset Class Lifecycle Strategies & Plans <i>Cameron Jessup, TasWater, Tasmania</i></p> <p>Water Asset Management Advances In The US <i>Heather Himmelberger, Southwest Environmental Finance Center, New Mexico, USA</i></p> <p>Sustainable Road Maintenance Strategies To Build A Resilient Road Network <i>M Hossain, Campbelltown City Council, New South Wales</i></p>
Delegates Free Time to Explore Perth							



PRELIMINARY PROGRAM OUTLINE

WEDNESDAY, 23 AUGUST 2017

08.30 Young IPWEA Address by the Young IPWEA Chair

Keynote Address: The Children of the Disruptive Technology Age - What can they expect from the workplace

Dhakshy Sooriyakumaran, FOUNDATION FOR YOUNG AUSTRALIANS
Followed by a *Panel Session facilitated by Gerry Gannon*

10.00 Morning Tea in the Exhibition Hall

10.30 **SESSION 7**

Pavements II	Innovation & Technology VII	Coastal Management	Stormwater V	Award Winning Papers	Asset Management VII
Driving Value in Long Term Road Maintenance Contracts <i>Marcus Stephens, Downer, Victoria</i>	The Queensland Urban Utilities Innovation Precinct - Transforming Complex Waste Problems <i>Colin Chapman, Queensland Urban Utilities, Queensland</i>	Eastern Foreshore Seawall <i>Mr Matthew Hall, City Of Mandurah & Dale Olsson, M P Rogers & Associates, Western Australia</i>	Urban Stormwater Technologies Catch Basin Insert <i>Craig Rothleitner, Urban Stormwater Technologies, Western Australia</i>	Hynds Best Paper winner from the 2017 IPWEA (NZ) Conference <i>TBA, New Zealand</i>	Incorporating Routine Maintenance Effort In Long Term Pavement Modelling And Decision Making <i>Mr Hui Chen, Downer Australia, Victoria</i>
Pavement Modelling In Main Roads Western Australia - Are We There Yet. <i>Li Qindong, Main Roads, Western Australia</i>	Use of RCPP Recycled Materials to Build a New Recycling Facility <i>Jake Hickey, Instant Waste Management, Western Australia</i>	Balancing Coastal Protection with Waterfront Living <i>Dale Olsson, M P Rogers & Associates, Western Australia</i>	Innovative Stormwater Infrastructure - The Green Square Stormwater Drain <i>Peter Shields, City of Sydney News South Wales, Aus</i>	Fostering Innovation and Creativity in Public Works <i>Joanne Zhang, is a recipient of the APWA 2017 Jennings Randolph International Fellow, USA</i>	Business Intelligence For Efficient Management Of Road Maintenance Operation <i>B Al-Arabi, Dr Nabin Pradhan, Asset Management Services, New South Wales</i>
Unsealed Roads - Make Marginal Materials Matter <i>Malcolm Styles, Engineering Management Styles, Victoria</i>	The Value of BIM in Engineering <i>Kevin Rooney, NATSPEC / AUS-SPEC, New South Wales</i>	Two Mile Creek Waihi Beach <i>Kelvin Hill, Western Bay Of Plenty District Council, New Zealand</i>	Subterranean Surveillance - The City of Gosnells drainage maintenance story <i>Michael Baayens, City of Gosnells, Western Australia</i>	Improving USA Asset Management Using a Commonwealth Countries Model <i>Evan Pratt, 2017 Jennings Randolph International Fellow, Director of Public Works & Water Resources Commissioner, Michigan, USA</i>	Fight Or Flight For The Future of Community Resilience <i>Priyani de Silva-Currie, Calibre Consulting Ltd, New Zealand & Dr Barbara Bedeschi-Levando, Kiwiconsult Ltd., Nelson, New Zealand</i>

12.00 Lunch in the Exhibition Hall





PRELIMINARY PROGRAM OUTLINE

13.00	SESSION 8	Bridges	Road Signage & Markings	Street Lighting	Pavements III	Asset Management VIII
		<p>New Mandurah Traffic Bridge - Incrementally Launched Superstructure <i>B. Vujovic, Western Australia</i></p> <p>Safety Guidelines For City Bridges - An Asset Management Approach <i>Msc Kambiz Elmi Anaraki, Gemeente Rotterdam, Zuid-Holland, Netherlands</i></p> <p>Innovative Engineering To Replace Small Bridges <i>Peter Marchant, ITS Pipetech Pty Ltd, New South Wales</i></p>	<p>Experience New Roadside Technology in Action! This interactive workshop will give delegates a Virtual Reality Experience through various road environments containing traffic signage, pavement marking and vehicle safety solutions. <i>Informative and hands on - this workshop is not to be missed.</i></p>	<p>IPWEA's Street Lighting and Smart Controls (SLSC) Programme has been embraced by the Australian Government, ALGA, LCA, ENA & the street lighting supply industry. A snapshot of the 3rd International SLSC Conference held in March will be presented</p>	<p>Polymer Modified Bitumen Emulsion Surface Treatments in Brisbane <i>Greg Stephenson, Brisbane City Council, Queensland</i></p> <p>Doubling the Benefit of Emulsion Seals <i>Mr Rory Bracken, Fulton Hogan, Victoria</i></p> <p>City of Sydney - Reducing Greenhouse Gas Emissions By Adopting Low Carbon Asphalt <i>Ross Ioakim, Downer, New South Wales</i></p>	<p>Data! We Have Lift Off <i>Stuart Joyce, Morchum Environmental, Victoria</i></p> <p>New Frontiers In Asset Management <i>Ben Lawson & Matthew Christensen, Common Thread Consulting, New South Wales</i></p> <p>Improving Asset Management Community Engagement <i>Michelle Kennedy, City Of Burnside, South Australia</i></p> <p>Asset Management A Catalyst For Change, The Yarra Ranges Story <i>Julia Geiberras, Yarra Ranges Council, Victoria</i></p>
14.30	Afternoon Tea in the Exhibition Hall Trade Exhibition Closes - Asset Finda Prize Draw					
15.00	<p>Keynote Address: Connected Multimodal Transport Test Bed a Path to Autonomous Transport</p> <p>Professor Majid Sarvi, UNIVERSITY OF MELBOURNE, PROFESSOR IN TRANSPORT FOR SMART CITIES Followed by a <i>Panel Session facilitated by Gerry Gannon</i></p>					
16.30 - 16.45	Conference Closing Session & Invitation to the 2019 International Public Works Conference					
19.00	Grand Platinum Conference Dinner at the Crown Perth - Sponsored by Komatsu					

THURSDAY, 24 AUGUST 2017

Technical Tours

Street Lighting Workshop

All information is correct at the time of publication. In the event of unforeseen circumstances, the Organising Committee reserves the right to delete or alter items in the Conference program.



SOCIAL PROGRAM

International Delegates and Under 35's Welcome

Date: Sunday 20 August 2017
When: 5.00pm - 6.00pm
Where: Perth Convention and
Exhibition Centre
Dress: Neat Casual

An exclusive invitation-only event dedicated to welcoming our international delegates and delegates under the age thirty-five.

Welcome Reception

Date: Sunday 20 August 2017
When: 6.00pm - 8.00pm
Where: Perth Convention and
Exhibition Centre
Additional
Tickets: \$70
Dress: Smart Casual

The Welcome Reception is the first official function of the 2017 Conference. Join delegates and partners for drinks, refreshments and networking. The Reception will be held in this year's Conference venue; the Perth Convention and Exhibition Centre.

SPONSORED BY COMPLETE URBAN

COMPLETE

Night Market Dinner

Date: Monday 21 August 2017
When: 7.00pm - Late
Where: BelleVue Ballroom, Perth Convention
and Exhibition Centre
Additional
Tickets: \$160
Dress: Wear Your Loud Shirt!

Enjoy a fun and relaxing casual dinner held at the Perth Convention and Exhibition Centre in our very own Night Market. Delegates are encouraged to dress for the occasion and wear something loud and outrageous! Delegates will delight with the wonderful food and drinks on offer and have the opportunity to unwind after the first official day of the Conference.

Grand Platinum Conference Dinner

Date: Wednesday 23 August 2017
When: 7.00pm - Late
Where: Grand Ballroom, Crown Perth
Additional
Tickets: \$170
Dress: Formal Attire

The Grand Platinum Conference Dinner will be a night of sophistication and elegance, held in the stunning Grand Ballroom of the Crown Perth. Celebrate the successes of fellow colleagues with the presentation of the major IPWEA Excellence Awards and enjoy the carefully selected food and wine options. This will be the last social event of the Conference and a night not to be missed!

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TECHNICAL TOURS

Technical Tour 1 Perth – Our Capital

Date: Thursday, 24 August 2017
Time: 9.00am - 4.00pm
Cost: \$125

This tour will highlight a variety of exciting and innovative major projects in and around the Perth City Centre. The tour will commence with a short walk from the Perth Convention and Exhibition Centre (PCEC) to Elizabeth Quay. This landmark waterfront development reconnects Perth City with the Swan River to create a dynamic new entertainment and leisure precinct, set around a stunning 2.7km inlet. From here, we will catch the ferry across the Swan River to South Perth to hear about the South Perth Foreshore Strategy and Management Plan including the South Perth Station Precinct. Following lunch at the historic Windsor Hotel, the tour will return to the CBD via coach to the Perth City Link and Busport. Located in the heart of Perth's CBD, Perth City Link is one of the City's most exciting redevelopments. The project will reconnect the CBD with Northbridge for the first time in more than 100 years. The area, once just a network of bus and train connections, will become an exciting new destination with housing, shops, restaurants, offices and more. The train line separating Perth and Northbridge has always allowed easy access to the City, but limited the growth of the CBD to the North. Sinking the rail line and Wellington Street Bus Station will create a 13.5 hectare space with a wealth of exciting new possibilities. The new underground busport is a \$217M project and a state of the art facility designed to accommodate 3,500 bus services per day by 2031.

Tour includes transfers, morning tea and lunch.

Please note that all tours are subject to minimum and maximum numbers. Please book early to guarantee a seat.

Technical Tour 2 Major Infrastructure

Date: Thursday, 24 August 2017
Time: 8.30am - 4.45pm
Cost: \$150

This tour will focus on some of the major infrastructure projects which have recently been completed or are still underway and are helping to drive our State's economy. The tour will kick off with a tour of the Gateway WA project, a major highway redevelopment, which incorporate road and bridge improvements, local road modifications, pedestrian and cyclist facilities, noise walls, landscaping and the use of Intelligent Transport System (ITS) technology. Next, we will travel to the air gateway to our State, Perth Airport. The Airport has recently undertaken Master Planning to accommodate unprecedented growth in patronage and the continued development of the site will be on a precinct basis. The visit to the airport will also allow an insight into the Forrestfield Airport Link - a new train line that will connect Forrestfield to the City, opening up Perth's eastern suburbs to the rail network for the first time and giving Perth Airport users a travel option five minutes faster than by car. From here we will travel to the picturesque Swan Valley for lunch at one of the regions quality wineries. Finally, the tour will visit the NorthLink WA project a component of the Perth-Darwin National Highway. This \$1.2 billion project is aimed at improving freight capacity, reducing urban congestion, improving road safety and creating value through affordable infrastructure.

Tour includes transfers, morning tea and lunch.

Please note that all tours are subject to minimum and maximum numbers. Please book early to guarantee a seat.



TECHNICAL TOURS

Technical Tour 3 Major Sporting/Community Facilities

Date: Thursday, 24 August 2017
Time: 9.30am - 5.00pm
Cost: \$125

This tour commences with a visit to the Lathlain Precinct, the new home base for the West Coast Eagles AFL team. This project will be delivered by the Town of Victoria Park in partnership with the West Coast Eagles and Perth Football Club and it aims to set new standards in the delivery of an active community sports complex. From there we will head to the bustling Victoria Park Café strip for lunch at the Balmoral Hotel. Following lunch, the tour will head to Mills Park in Beckenham; a 24 hr recreational space that has been transformed to provide high levels of sport and passive recreation. The Park features a new community centre, expanded green areas, walkways, boardwalks, new sporting infrastructure, rehabilitation of wetlands and waterways and a significant nature play space. Finally, guests will be taken to one of either the new Perth Stadium - a 60,000 seat multipurpose venue capable of hosting AFL, Rugby Union and League, Soccer, Cricket and entertainment events; With a 'fans first' approach to planning and design, the stadium will offer an unrivalled spectator experience including exception event atmosphere and cutting edge stadium technology. or a tour of the new 6 Star Crown Towers hotel complex.

Tour includes transfers, lunch and afternoon tea.

Please note that all tours are subject to minimum and maximum numbers. Please book early to guarantee a seat.

Technical Tour 4 To the South

Date: Thursday, 24 August 2017
Time: 9.00am - 4.30pm
Cost: \$150

This 'not so technical tour' will head to south of Perth to the idyllic coastal City of Mandurah. Once in Mandurah guests will delight in experiencing the Estuary Cruise whilst learning about a number of innovative projects occurring in the area including:

- The old Mandurah traffic bridge replacement;
- The award winning new pedestrian bridge; and
- The eastern foreshore wall replacement.

After lunch, guests will then be taken to the Millbrook Winery to delight in sampling some of their many wines and enjoying some tasty nibbles, before returning to the Perth Convention and Exhibition Centre.

Tour includes transfers, lunch and afternoon tea.

Please note that all tours are subject to minimum and maximum numbers. Please book early to guarantee a seat.



TECHNICAL TOURS

Technical Tour 5 Innovation in Waste Management

Date:	Thursday, 24 August 2017
Time:	9.00am - 4.30pm
Cost:	\$125

Reducing waste to landfill is a key driver for public works practitioners and this tour focuses on some of the innovative waste minimisation projects currently in operation in the region. The tour starts with a visit to two sites operated by the Eastern Metropolitan Regional Council (EMRC). The first site is the Hazelmere Resource Recovery Park. Hazelmere Resource Recovery Park is home to Western Australia's first mattress and timber waste recycling operations. The purpose of the park is to recover resources from some waste streams thus diverting waste from landfill and providing an opportunity to re-use materials. The Hazelmere Resource Recovery Park at is part of the EMRC's Resource Recovery Project, an integrated plan for sustainable waste management in the region. As part of the overall Resource Recovery Project, planned expenditure for the Hazelmere Resource Recovery Park is estimated at around \$25 million over a five-year period from 2015-2020.

The concept plan for the park includes:

- Commercial and Industrial Waste Sorting Facility;
- Wood Waste to Energy Plant;
- Administration Office;
- Education Centre;
- Materials Recovery Facility;
- Greenwaste Processing Area; and
- Community section of the park.

Next is a visit to the renowned Swan Valley for lunch at one of the regions quality breweries. From here we travel to the EMRC's Redhill landfill facility. The EMRC operates this facility on behalf of its six member Councils. This site incorporates modern technologies of sanitary landfill design and operates, including leachate collections and methane gas capture.

Tour includes transfers, morning tea and a lunch.

Please note that all tours are subject to minimum and maximum numbers. Please book early to guarantee a seat.





WORKSHOP

Spotlight on Street Lights and Smart Controls in WA

Workshop: Implementing the SLSC Programme

Date: Thursday, 24th August 2017
Time: 8.30am - 1.30pm
Cost: \$275
Inclusions: Morning tea and lunch will be provided. Location to be advised.

IPWEA and the Australian Government, together with peak industry bodies ALGA, LCA, ENA and industry leaders, have developed the Street Lighting and Smart Controls (SLSC) Programme which is setting the direction for removing regulatory barriers and facilitating change to accelerate the rollout of LED street lighting and smart controls. This is a world-wide movement and WA will be expected to play its part in transitioning to this energy saving, cost effective and environmentally responsible new technology.

But how to make this happen has been the biggest hurdle? The SLSC Programme has already provided many free resources, training and information to assist local government and DNSPs to bridge this gap. Every State/Territory is getting this workshop. Now its WA's turn.

This workshop will seek to achieve the following:

- Explain what the 15 Recommendations from the SLSC Industry Roadmap mean
- Confirm the current arrangement across the energy and street lighting network in WA
- Scope the propensity and willingness of key participants to embrace change
- Identify regulatory and other impediments which exist in WA which if removed could foster new models
- Identify what current arrangements are working well and investigate if these can be replicated elsewhere
- Develop a model/s for change that will achieve the objective of accelerating the take-up and rapid deployment of LED street lighting and smart controls.

Who is requested to attend?

The most senior representatives of:

- State Government Department of Energy, Local Government, Infrastructure
- State Energy Regulators
- DNSPs
- Local Council Mayors, GMs and Directors of Engineering
- Major luminaire and smart control suppliers





ACCOMPANYING PARTNERS TOURS

We welcome the company of partners during our Conference! As such, the following tours are available for accompanying persons at an additional cost. Please make your booking on the registration form. Tours are subject to minimum and maximum numbers therefore it will be a first-in-first-served policy that will apply.

Fremantle Prison's Tunnel Tour

Date: Monday, 21 August 2017
Cost: \$110
Duration: 8.00am - 3.30pm

Feeling adventurous? Join us for a day like no other. Get into your hardhat, slip into your overalls, lock into the ladder system and descend approximately 20 metres below the Fremantle Prison to explore a labyrinth of tunnels built by prisoners. Discover original blast holes, bores, oil lamp recesses and artefacts from the days when working in the tunnels was hard labour for prisoners. Following the tour, you will be provided with a list of items of interest and ample time to explore Fremantle in all its beauty. Feel free to wander, shop and soak up the atmosphere before retiring back to Perth for the afternoon. Please note that this tour has some physical requirements. Visitors are required to sign a declaration form before participating in the Tunnels Tour. For further details, please visit <http://fremantleprison.com.au/tours/tour-conditions/>

Tour includes hotel transfers and tour entry.
Lunch is not provided.

Explore the Swan Valley Day Tour

Date: Tuesday, 22 August 2017
Cost: \$150
Duration: 8.30am - 6.00pm

The tour starts off in Perth with a visit to the famous Kings Park, where you will enjoy fantastic views of the Swan River and the Perth skyline before you visit the Botanic Gardens. You will then make your way over the Swan River and out to the historic town of Guildford, the gateway to the Swan Valley and all of the great activities and venues it holds. Once in the Swan Valley there is a lot to enjoy including a visit to WA's largest Chocolate factory, a Honey Farm to see a live bee display and taste honey, a Nougat factory to try fresh nougat, Moorish Nuts to grab a handful of delicious nuts and a Coffee works to smell the roasted beans and taste freshly brewed coffee. The Swan Valley is also a renowned wine making region and a visit wouldn't be complete without a trip to one of the many vineyards. Whilst there you will get to try a variety of their premium wines before sitting down to a sumptuous lunch. After lunch you will head to an Aboriginal art gallery where you can immerse yourself in Aboriginal history and culture whilst also getting the chance to pick up some original art to take home. You will finish the day with a trip to wonderful Caversham Wildlife Park with its huge range of native Australian animals that you can see. Whilst in the Wildlife Park you will get to meet a friendly Wombat, get up close to and feel Koalas as they nestle in Eucalyptus trees and feed Kangaroos as they bask in the afternoon sunshine.

Tour includes hotel transfers and lunch.



ACCOMPANYING PARTNERS TOURS

Perth Mint and High Tea

Date: Wednesday, 23 August 2017
Cost: \$75
Duration: 9.30am - 1.00pm

Experience Western Australian history like never before! The Perth Mint offers a unique tour of the grand heritage building, heavily secured vault and the original melting house that have provided the cues for many of the extraordinary stories about Western Australia's golden history and the Mint's prolific output of priceless gold bars and coins. Following the tour, you will gain access to the world-class Gold Exhibition which uses the latest innovations in exhibition concept design and audio visual technology. It's this innovation that brings to life the story of Western Australian gold, and the Perth Mint. Your unique slice of Western Australia history will then be followed by a slice of cake at the C Restaurant's Classic High Tea. Famed for its panoramic views and delectable dishes, C Restaurant's High Tea is widely regarded as one of the best in Perth. A tiered array of delicious petit fours will be on offer, as well freshly baked scones, and delicate finger sandwiches, served with bottomless cups of tea or percolated coffee.

Tour includes entry to Perth Mint and High Tea.





REGISTRATION FEES AND INCLUSIONS

The fees outlined below are in Australian Dollars and include a 10% Goods and Services Tax. Delegates must hold a current IPWEA or Engineers Australia Membership at the time of the Conference in order to claim the Member rate. Students must be a full-time student at the time of the conference to access the student rate. Proof may be requested at the registration desk.

Registration Category	Early Bird	Standard
Member	\$1870	\$2057
Non-member	\$2057	\$2255
Under 35 Member	\$1271	\$1458
Under 35 Non-Member	\$1573	\$1755
International	\$1271	\$1458
Student/Retired	\$847	\$919
Day Only Registration	\$847	\$1029
Accompanying Partner	\$350	\$350

Full Conference registration inclusions:

- Conference kit
- Access to all Conference sessions
- Access to trade exhibition
- Social events
- Catered breakfasts, lunches and tea breaks

Day registration inclusions:

- Conference kit
- Conference sessions on nominated day
- Trade exhibition on nominated day
- Catered breakfast, lunch and tea breaks on nominated day

Accompanying Partner registration inclusions:

One Accompanying Partner registration can be included per full conference registration.

This registration includes a ticket to attend the following events:

- Welcome Reception at the Perth Convention & Exhibition Centre
- Casual Dinner at the Perth Convention & Exhibition Centre
- Grand Platinum Dinner at the Crown Perth

ONLINE REGISTRATION SAVE TIME AND REGISTER ONLINE!

Online registration is available via the conference website at www.ipweapublicworkconferenceperth2017.aomevents.com.au



REGISTRATION FEES AND INCLUSIONS

TERMS AND CONDITIONS

Payment of registration fees

Delegates are to register their attendance using the online registration portal or by completing the registration form contained within this brochure. Payment must be made at the time of registration using a valid credit card (MasterCard, Visa, American Express or Diners Club). The following processing fees will be incurred: 2.8% for VISA and MasterCard, 3.6% for AMEX and 4.95% for Diners. Please note that debits to your credit card will appear as "All Occasions Group" on your statement.

All Occasions Group provides SSL (Secure Socket Layer) technology and 2048RSA bit data encryption to protect your credit card details and personal information. All credit card payments processed by BPOINT are protected by the PCI DSS compliance standard.

Confirmation of registration

Registrations will be acknowledged by email to the address nominated at the time of registration. A tax invoice and receipt will be attached to this email. If a confirmation email is not received within 24 hours of registering, please contact conference@aomevents.com.

Cancellation policy

Delegates unable to attend the Conference are welcome to nominate a substitute delegate. If there is no one that can be nominated as a substitute delegate, a refund of registration fees, less a cancellation fee of \$120 will be made if the written cancellation is received by close of business on 20 July 2017. Registration cancellations received after close of business on 20 July 2017 and up to seven days prior to the Conference will receive a 50% refund. No refunds will be given for registration cancellations received within seven days of the Conference; however a substitute delegate may still be nominated.

Privacy policy

The All Occasions Group (encompassing All Occasions Management and All Occasions Travel) complies with all legislation which is designed to protect the rights of the individual to privacy of their information, including the Privacy Act 1988 (Cth). Information collected with respect to your registration for participation in this Conference will only be used for the purposes of planning, conduct of the event or communication regarding future events. These details may be made available to parties directly related to the Conference including but not limited to the IPWEA, the All Occasions Group, venues, accommodation and travel providers (for the purposes of room/travel bookings and Conference options), key sponsors (subject to strict conditions) and other related parties as deemed necessary. It is also usual practice to produce a 'Delegate List' of attendees at the Conference and to include the individual's details in such a list.

By registering to attend this Conference, you acknowledge that the details supplied by you may be used for the above purposes. It is your responsibility to ensure that all information provided to the All Occasions Group is accurate and kept up to date. To access or update your information, please email or fax the All Occasions Group on conference@aomevents.com or 08 8125 2233.

Photography

By attending this Conference, you grant both the Institute of Public Works Australasia (IPWEA) and the All Occasions Group the right to use your image and likeness for marketing and promotional purposes, unless you specifically request removal of the photo or video in writing by emailing your details, the photos details and the Conference name to conference@aomevents.com detailing your request.



Liability/Insurance

In the event of industrial disruptions or natural disasters, the Institute of Public Works Australasia (IPWEA), the Organising Committee, and All Occasions Group cannot accept responsibility for any financial or other losses incurred by the delegates. The IPWEA, the Organising Committee and the All Occasions Group take no responsibility for injury or damage to persons or property occurring during the Conference. All insurance, including medical cover, or expenses incurred in the event of the cancellation of the Conference is the individual delegate's responsibility.

Attendees are encouraged to choose a travel insurance policy that includes loss of fees/deposits through cancellation of your participation in the Conference, or through the cancellation of the Conference itself, loss of airfares for any reason, medical expenses, loss or damage to personal property, additional expenses and repatriation should travel arrangements have to be altered. The IPWEA, the Organising Committee, and All Occasions Group will take no responsibility for any participant failing to insure.





ACCOMMODATION

Accommodation has been reserved in close proximity to the Perth Convention and Exhibition Centre with special Conference rates when booked through All Occasions Group. Accommodation rooms are limited and allocation will be strictly on a first-come first-served basis. The accommodation availability and prices shown are current at this time; however, they are subject to change without notice in accordance with the terms and conditions of each supplier. Please book your accommodation as soon as possible to avoid disappointment. Please ensure that you read the terms and conditions carefully before completing your registration as terms differ for each hotel.

For full terms and conditions for all properties listed above please visit the Conference website at: <http://ipweapublicworksconferenceperth2017.aomevents.com.au/>

Adina Apartment Hotel

Where: 33 Mounts Bay Road
Distance: 100m from the Conference venue
Room: One bedroom apartment
\$279 per night



Parmelia Hilton

Where: 14 Mill Street
Distance: 230m from the Conference venue
Room: Queen guestroom
\$275 per night



Rendezvous Hotel

Where: 24 Mount Street
Distance: 600m from Conference venue
Room: Guest room
\$245 per night





Holiday Inn

Where: 788 Hay Street
Distance: 700m from the Conference venue
Room: Superior room
\$270 per night



Pan Pacific Perth

Where: 305 Adelaide Terrace
Distance: 1.9km from the Conference venue
Room: Deluxe room
\$215 per night



Ibis Perth

Where: 334 Murray Street
Distance: 750 from Conference venue
Room: Standard room
\$175 per night



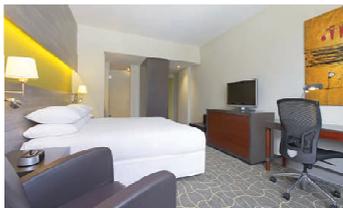
Mantra on Murray

Where: 305 Murray Street
Distance: 850m from the Conference venue
Room: Queen studio apartment
\$219 per night



Four Points by Sheraton

Where: 707 Wellington Street
Distance: 1km from the Conference venue
Room: Superior king room
\$195 per night



Duxton Hotel

Where: 1 St Georges Terrace
Distance: 1.5km from the Conference venue
Room: Deluxe room
\$309 per night





INFORMATION FOR OVERSEAS DELEGATES

Time zone

Perth's time zone is GMT + 8 hours. Perth is based on Australian Western Standard Time (AWST). Daylight Saving Time is not observed in Western Australia.

Climate

Perth has a mixture of the Californian and Mediterranean climates, with mild winters and hot dry summers. Perth is the sunniest capital in Australia with an average of eight hours sunshine a day. The skies above Perth are often bright blue without a cloud in the sky.

VISA information

All international delegates, apart from New Zealand citizens, must obtain a Visa or Electronic Travel Authority (ETA) before travelling to Australia. Please ensure you organise your documentation well in advance of travel.

Australia's Electronic Travel Authority (ETA) is an electronically-stored authority for travel to Australia for a short-term tourist or business entry. ETAs are issued within seconds of being requested through computer links between the Australian Immigration Department, travel agents, airlines and specialist service providers around the world. Over 30 countries around the world have access to the free ETA system.

Conference delegates from non-ETA countries will need to obtain a Business (short stay) visa, even if some tourism activities are planned for part of the stay in Australia. It is called a 456 visa if it is issued as a label into a passport. For more information visit the Australian Government Department of Immigration and Border Protection website at www.border.gov.au or visit <https://www.eta.immi.gov.au/ETAS3/etas> for the ETA Application.

Driving

Reciprocal driving rights exist between Australia and overseas countries. Your driver's licence must be current. Australian drivers travel on the LEFT hand side of the road and our speed limits are strictly enforced. For more information about driving on WA roads, please visit www.mainroads.wa.gov.au.

Electricity

Australia's electricity voltage for domestic use is AC 240 volts, 50 cycles. Most hotels have provision for AC 110 volts in the rooms and/or can provide adaptors.

Water

Tap water is filtered, fresh and safe to drink. It conforms to Australian and international drinking water standards.

Medical & Emergency Services

As medical services are not provided free to visitors, it is strongly recommended that health insurance is arranged before arrival. Visitors requiring pharmaceuticals after normal shopping hours should check with their hotel reception or the local Yellow Pages under 'Chemists'. Phone 13 14 44 for police assistance or 000 for emergencies.

Credit Cards

The practice of payment by credit card is widely accepted throughout Australia. The most common types of cards used in Australia are Visa, MasterCard, American Express and Diners Club.

Shopping

Visitors to Perth are able to shop within the central business district or in one of the many suburban shopping centres. Standard trading hours for general retail shops in the City of Perth are: Monday, Tuesday, Wednesday, Thursday: 8am – 9pm (most trade 9am – 5.30pm) Friday: 8am – 9pm (most trade from 9am) Saturday: 8am – 5pm (most trade from 9am) Duty free stores are located at the International Airport and at various locations within the CBD.



Telephone

Australia has a modern telephone system with wide mobile phone coverage. For international dialing direct call '0011' followed by the country code, area code and then the local number. To call Australia from overseas the access code is '61' and Perth's area code is '08'.

Banking Hours

Perth's banking hours are generally between 9.30 am and 4.00 pm Monday to Thursday, and until 5.00 pm on Friday. Some banks and credit societies are open on Saturday mornings. The five largest banks in Western Australia are the ANZ, BankWest, Westpac, the Commonwealth Bank, and National Australia Bank. The head offices of the major banks are usually located in the city, with branches located throughout the metropolitan area.

Western Australia also has a selection of international and other domestic banks. These banks include Citibank, Banque Nationale de Paris, Bank of New Zealand, Chase Manhattan, and the Bank of Melbourne.

Most banks provide convenient automatic teller machines. Foreign currency exchange is available during trading hours.

Language

English is the language of Australia. For an interpreter, call 13 14 50 (24 hours).

Traveller's Cheques

Traveller's cheques can be changed at trading banks, large city hotels and selected trading establishments.

Tipping & Gratuities

Employees in Australia do not depend on tips or gratuities as part of their income. However, it is practiced as a personal choice to tip if the service received has been exceptional.

Taxes

The Goods and Services Tax is a broad based tax of 10 per cent on most supplies of goods and services supplied in Australia. GST replaces wholesale sales tax, which was applied at varying rates to a range of products. GST exemptions include food, health services and international airfares. A Tourist Refund System is available at airports, for more information call 1300 363 263 or visit www.border.gov.au.

Quarantine

Australia is serious about its quarantine regulations. Further information can be sourced at <http://www.australia.gov.au/information-and-services/passports-and-travel/customs-and-quarantine>



This is your chance to witness the significant change that has occurred in Perth in recent years and when you have finished with the Conference, take time to sample some great wines and food, or take a stroll along the many great white sandy beaches that the west coast is renowned for.



TAKING FLIGHT FOR THE FUTURE
INTERNATIONAL PUBLIC WORKS CONFERENCE 2017
REGISTRATION

TAKING FLIGHT FOR THE FUTURE

HEAD WEST FOR NEW FRONTIERS

INTERNATIONAL PUBLIC WORKS CONFERENCE 2017

PERTH, 20-23 AUGUST, 2017

REGISTRATION

Please accept this form as a Tax Invoice from
Institute of Public Works Engineering Australasia.
ABN: 42 087 934 898

All prices are in Australian dollars and include
GST where applicable.

DELEGATE DETAILS

Title Given Name Family Name

Preferred name on badge

Organisation/Company

Position

Mailing Address

City State Postcode

Telephone Facsimile Mobile

Email (*All Conference correspondence will be sent to this email address*)

Special Requirements (*e.g. Dietary requirements, mobility issues*)

Accompanying Person

Preferred name on badge

Email (*Specific information regarding accompanying partner program will be sent to the is address*)

Special Requirements (*e.g. Dietary requirements, mobility issues*)

TAKING FLIGHT FOR THE FUTURE

INTERNATIONAL PUBLIC WORKS CONFERENCE 2017

REGISTRATION

PRIVACY

In registering for this Conference relevant details will be incorporated into a delegate list for the benefit of all delegates. These details may be made available to parties directly related to the Conference including All Occasions Group, IPWEA, venues and accommodation providers (for the purposes of room bookings and Conference options), key sponsors and parties associated with related Conference. By completing the registration form, you acknowledge that the details supplied by you may be used for the above purposes. Should you not wish your details to be used for these purposes, please contact All Occasions Group as soon as possible.

Please do not include my name and organisation on the delegate list.

The All Occasions Group uses Commercial Electronic Messages (i.e. email updates, newsletters etc) to keep delegates informed on both current and future, events and travel.

Yes, I would like to be kept informed of future Conferences, travel and accommodation specials.

REGISTRATION

Prices are in AUD and include GST

	Early Bird Registration (up to and including 9 June 2017)	Standard Registration (after 9 June 2017)
Member*	\$1870 []	\$2057 []
Non-member	\$2057 []	\$2255 []
Under 35 Member	\$1271 []	\$1458 []
Under 35 Non-Member	\$1573 []	\$1755 []
International ^	\$1271 []	\$1458 []
Student/Retired	\$847 []	\$919 []
Day Only Registration	\$847 []	\$1029 []
Accompanying Partner	\$350 []	\$350 []

* Must be a current IPWEA or Engineers Australia Member at the time of the Conference.

^ Applicable to those not residing in Australia or New Zealand.

I am 35 or under 35 at the time of the Conference.
Date of Birth _____

Registration Total \$ _____

SOCIAL PROGRAM

Prices are in AUD and include GST

To assist with catering please indicate your intentions. Failure to do so will be noted as non-attendance.

Welcome Reception (20 August)

Yes, I will attend the Welcome Reception

Delegate
 Accompanying Person
(Cost included in full, international delegate and accompanying partner registration)
 Extra ticket(s) at \$70 per ticket
Number _____

Monday Evening Casual Dinner (21 August)

Yes, I will attend the Monday Evening Casual Dinner

Delegate
 Accompanying Person
(Cost included in full, international delegate and accompanying partner registration)
 Extra ticket(s) at \$160 per ticket
Number _____

Grand Platinum Conference Dinner (23 August)

Yes, I will attend the Gala Dinner

Delegate
 Accompanying Person
(Cost included in full, international delegate and accompanying partner registration)
 Extra ticket(s) at \$170 per ticket
Number _____

Social Program Total \$ _____

TAKING FLIGHT FOR THE FUTURE

INTERNATIONAL PUBLIC WORKS CONFERENCE 2017

REGISTRATION

TECHNICAL TOUR OPTIONS

Prices are in AUD and include GST

Technical Tours (Thursday 24 August)

Please note minimum and maximum numbers apply and bookings will be made on a first-come-first-served basis. In the event of unforeseen circumstances, the Organising Committee reserves the right to delete or alter items on each tour. Please indicate your preference by placing 1, 2, 3, 4 & 5 in the appropriate boxes. All Occasions Management will make every effort to arrange your first preference.

Technical Tour 1 - \$125
Number _____

Technical Tour 2 - \$150
Number _____

Technical Tour 3 - \$125
Number _____

Technical Tour 4 - \$150
Number _____

Technical Tour 5 - \$125
Number _____

Technical Tours Total \$ _____

WORKSHOP

Price is in AUD and includes GST

**Spotlight on Street Lights
and Smart Controls in WA**

Workshop: Implementing the SLSC Programme

Date: Thursday 24th August 2017

Yes, I would like to attend
the SLSC Workshop - \$275

Workshop Total \$ _____

ACCOMPANYING PERSON TOURS

Prices are in AUD and include GST

Please note minimum and maximum numbers apply and bookings will be made on a first-come-first-served basis. In the event of unforeseen circumstances, the Organising Committee reserves the right to delete or alter items on each tour.

Fremantle Prison's Tunnel Tour (21 August)
Number of tickets required
at \$110 per person

**Explore the Swan Valley Day Tour
(22 August)**
Number of tickets required
at \$150 per person

Perth Mint and High Tea Tour (23 August)
Number of tickets required
at \$75 per person

Accompanying Person Tours Total \$ _____

ACCOMMODATION

Prices are in AUD and exclude GST
(GST is not applicable on
accommodation deposits)

Please indicate 3 hotel preferences below.

Check in date _____

Check out date _____

Estimated time of arrival am/pm: _____

Single Double Twin

If applicable, please provide the name of the
person you are sharing with:

TAKING FLIGHT FOR THE FUTURE

INTERNATIONAL PUBLIC WORKS CONFERENCE 2017

REGISTRATION

Please visit

<http://ipweapublicworksconferenceperth2017.aomevents.com.au/> for full booking conditions at each hotel.

- Adina Apartment Hotel**
One bedroom apartment - \$279 per night
- Parmelia Hilton**
Queen Guestroom - \$275 per night
- Rendezvous Hotel**
Guest Room - \$245 per night
- Holiday Inn**
Superior Room - \$270 per night
- Ibis Perth**
Standard Room - \$175 per night
- Mantra on Murray**
Queen Studio Apartment - \$219 per night
- Four Points by Sheraton**
Superior King Room - \$195 per night
- Duxton Hotel**
Deluxe Room - \$309 per night
- Pan Pacific Perth**
Deluxe Room - \$215 per night

- I have read and agree to the terms, conditions and the cancellation policy of my selected accommodation provider

If this box is not ticked, accommodation will not be reserved.

PAYMENT

- I have read and agree to the terms and conditions contained within the registration brochure and the cancellation policy as outlined on page 18.

If this clause is not signed is not ticked, your registration will not be processed.

Signature _____

Registration Total	\$
Social Program Total	\$
Technical Tours Total	\$
Workshop Total	\$
Partner Tours Total	\$
Accommodation Total	\$
Total	\$

Please debit my Credit Card for the above total:

The credit card merchant fee outlined below will be applied on processing.

- MasterCard (2.8%)
- Visa (2.8%)
- American Express (3.6%)
- Diners Club (4.95%)

Card holder's name as it appears on the card

Card number

CCV

Expiry Date

Signature

Please note that debits to your credit card will appear as 'All Occasions Management' on your statement.

PLEASE FORWARD THIS COMPLETED FORM TO:

International Public Works Conference 2017

Address: C/- All Occasions Management
12 Stirling Street, Thebarton SA 5031

Telephone: 08 8125 2200

Facsimile: 08 8125 2233

Email: conference@aomevents.com

<http://ipweapublicworksconferenceperth2017.aomevents.com.au/>



INTERNATIONAL PUBLIC WORKS CONFERENCE 2017

PERTH, 20-23 AUGUST, 2017

REGISTRATION BROCHURE

