

New South Wales



# IPWEA

INSTITUTE OF PUBLIC WORKS  
ENGINEERING AUSTRALASIA

# ENGINEERING EXCELLENCE AWARDS

# 2018



Platinum Partner



Gold Partner

# COMPLETE

Silver Partner



Award Sponsors



# FROM THE MUNICIPAL ENGINEERING FOUNDATION



## The Engineering Excellence Awards are a major highlight in the IPWEA NSW Division calendar.

This year we received 106 nominations which is mind blowing considering that just four years ago we had 41 nominations.

This is a great achievement in itself. The Excellence Awards enables all of us to appreciate the diversity and innovation of work undertaken by members of IPWEA NSW and their employer organisations. The Excellence Awards also give the wider community an insight into the outstanding Public Works and Services being delivered in their communities.

Nominating a project for the Excellence Awards gives Members the opportunity to showcase their talents and the production of this publication provides IPWEA with a valuable reference resource.

NSW Award category winners automatically become the NSW nominations for the International Australasian IPWEA Awards which occur every two years. This process ensures that NSW provides a benchmark for excellence in Public Works Engineering for all Australians.

The Trustees of the Municipal Engineering Foundation join with me in congratulating all those who have taken the time and made the effort to nominate projects for this year's Excellence Awards. We would also like to commend the 2018 Excellence Awards Judges, Geoff Fowler, Leon Patterson, John O'Connor and Greg Moran. They have spent a considerable amount of time travelling across New South Wales to assess this year's projects and have done so with immense professionalism, enthusiasm and attention to detail.

Thank you also to David Niven, Paul Yannoulatos, Oleg Sannikov and Terry Winning who assisted in the judging of the Road Safety Award. I also want to thank Wendy Dummett for her difficult task of judging the David Abbott Award and the Public Works Leader of the Year Award.

I would like to thank our Award Partners for their support: Complete Urban Pty Ltd, the Water Directorate, the NSW Roads and Transport Directorate, McCullough Robertson, Public Works Advisory and Pro-Visual.

As well as supporting the Excellence Awards, the Foundation is responsible for providing scholarships; endowments for Overseas and or National conferences; enabling participation and exposure to new ideas early in the careers of young engineers.

The purpose of the foundation is to expand the knowledge of the science of Public Works Engineering and this objective is met in all these activities.

### **Chris Watson**

Chairman

NSW Municipal Engineering Foundation

# FROM THE JUDGES



John O'Connor



Geoff Fowler



Greg Moran



Leon Patterson

**Due to the high number of submissions, judging has continued to be split into a Regional and Metro format. Judges this year attended the sites of over 90 submissions.**

Once again this involved considerable planning and implementation. Invariably, Judges have been warmly received and were given a major insight into current IPWEA (NSW) activities.

Each year the quality of the submissions continues to improve to such a standard that we know that IPWEA members are invaluable to our society.

Congratulations to all entrants especially to the Winners and those who were awarded Highly Commended.

Not everyone can receive an Award, but the Judges have not inspected any project by which the applicant should not be justly proud. The benefit of the Engineering Excellence Program is that others can utilize the wheel that your Peers have invented.

This year the Metro Judging Panel was reinforced with the addition of Leon Patterson. Leon's experience as a Local Government Engineer was invaluable in assessing the submitted works.

**Geoff Fowler**

**Greg Moran**

**John O'Conner**

**Leon Patterson**

# THE DAVID ABBOTT AWARD



**Mr Thomas Franzen**  
**Eurobodalla Shire Council**



## *Judge's Comments*

Tom Franzen is the Design Officer in the Technical Services Division at Eurobodalla Shire Council and began his career with the council 9 years ago. Whilst working with the council, Tom completed the Diploma of Civil Construction Design winning the NSW State Medal, he completed a Bachelor of Engineering Technology winning the Vice Chancellor's Scholar two years running and he achieved a Bachelor of Business Administration. In his final year of a Bachelor degree in Civil Engineering (Honours) his research project is on the network management of low volume roads.

Tom is an active member in Young IPWEA and has presented papers at the regional and state conference. He is committed to working for his community though he is well aware of the challenges this involves having completed many design projects including one where people tied themselves to trees. Tom has developed the ability to listen, interpret and deliver successful public infrastructure designs. He has an outstanding reputation in the council for his collaborative style, his respect for others' ideas and as a leader and a mentor. He is approachable, he has high integrity and he has a passion for safety.

His worthiness for this award is best summed up by a comment from Suketu Bhatt who when complimented on the quality of his award nomination, said that it was a pleasure to write because it's what Tom deserves.

# THE DAVID ABBOTT AWARD



## Mr Hamish Scroope Genium Civil Engineering

*Award accepted by Simon Cassidy on behalf of Hamish Scroope*



### *Judge's Comments*

Hamish began his career as a Civil Engineering Trainee at Yass Valley Council, moving on to Queanbeyan-Palerang Regional Council as a development engineer and he is now working as a Director and Project Engineer at Genium Civil Engineering.

Hamish is proud that he was able to finish his traineeship, delivering a number of major projects whilst studying for his degree part time. Hamish enjoys delivering quality infrastructure projects for the community and one of his highlights was the delivery of a skate park at Yass. Hamish has a passion for Local Government and the Public Works industry in particular the importance of workforce diversity for the sustainability of the industry. He has demonstrated this passion through his work with Young IPWEA where until recently he was Deputy Chair. He is currently the secretary of the South East Region IPWEA Group.

As a member of the Young IPWEA committee, Hamish worked on a submission to the Minster for Local Government, "Cadetship Best Practice in Local Government". He was invited to present the keynote address at the 2016 IPWEA NSW State Conference and at the International Public Works Conference in 2017.

Hamish has a calm and considered manner and he has great integrity. His natural disposition is to lead from the middle. As his colleague and chair of the Young IPWEA Australasia described him "He is the epitome of what it means to have promise, passion and pursuit as a young professional engineer". Hamish is a truly humble leader, he said he felt like a winner for being nominated.

# PUBLIC WORKS LEADER OF THE YEAR



**Nathan Skelly**  
Blayney Shire Council



## *Judge's Comments*

Nathan started work at Wellington Council as a Trainee Civil Engineer. For the last 10 years he has worked at Blayney Shire Council. Nathan is passionate about achieving great outcomes for the local community focusing on improvements to delivery methods and reducing asset deterioration. He cites the recent construction of a bridge in 3 days over a weekend as his greatest technical achievement and building the effectiveness of his team by empowering them as his proudest overall achievement.

Nathan leads a diverse team of 47 staff. He has developed a strong working relationship with key stakeholders in the industry and in the community and he has a reputation for sound engineering, good advice and strong commercial acumen.

Nathan holds a significant position liaising between the executive team and the frontline. He takes on this role both formally in meetings and informally offering advice and increasing team engagement by organising barbeques. In this way he has been integral to developing a culture where people feel that their opinions and ideas are valued. He respects the skills and experience of his team members and has mentored his Gangers and Supervisors to focus on the quality of the product they deliver for their community. In recent years, Nathan has also mentored 2 young engineers in their roles at Blayney Shire Council.

According to his Director, Nathan works hard to understand the issues, and focuses on treating the cause, rather than the visible symptom. This focus has enabled his team to provide solutions that reduce ongoing costs to Council. Nathan has stepped up on a number of occasions to take on the Director's role doing such a good job that his Director has started to have concerns about his own future.



*Public Works Leader of the Year is Proudly Partnered by Boral Asphalt*



## Build something great™ with Boral products

One of Australia's largest construction materials suppliers with a strong reputation for product quality, service and technical competency across a vast network of concrete, quarry and asphalt plants. Boral is the ideal partner for your construction materials solution.

Call us on 1800 555 445 or visit  
[www.boral.com.au](http://www.boral.com.au)

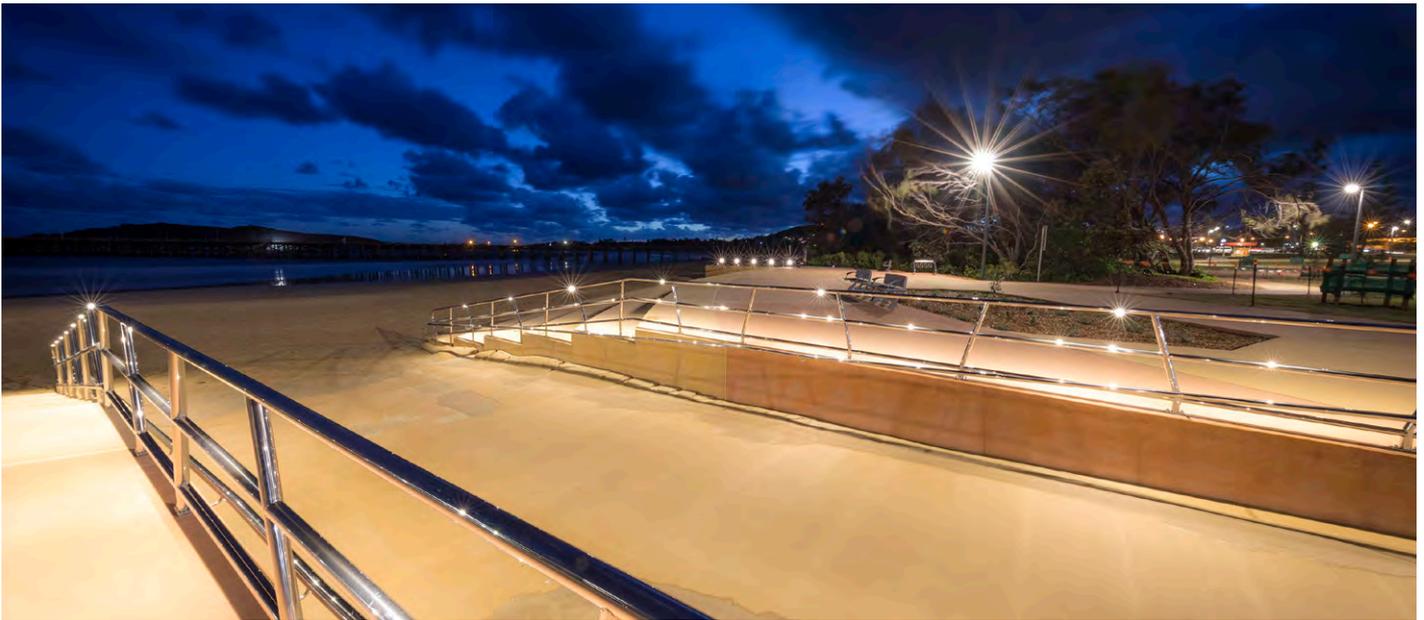
Boral, the Boral logo, boral.com.au, Build something great are trade marks or registered trade marks of Boral Limited in Australia. BCC\_16159 Sep18



# THE MINISTER FOR LOCAL GOVERNMENT'S AWARD FOR INNOVATION IN LOCAL GOVERNMENT ENGINEERING



**Coffs Harbour City Council**  
**Jetty4Shores Stages 2-4**



The \$9.2 million Coffs Harbour Jetty4Shores Stages 2-4 revitalisation project resolves challenges with beach erosion and drainage while showcasing the city's harbour side precinct. Decades of community engagement preceded the works to maximise the precinct's tourism potential while meeting diverse community expectations.

Works include underground power, covered stage, major drainage, beach erosion control works, shared pathways, accessible amenities, beach showers, picnic shelters, car parks, a boardwalk, beach promenade with wheelchair

access to Jetty Beach, landscaping, outdoor exercise equipment and public art. Discreet lighting of handrails and pathways enhance safety and pedestrian access. Improved drainage, underground power, optical fibre and covered stage have facilitated weekend and holiday activation for carnivals, festivals and markets.

## *Judge's Comments*

The \$9.2 M Coffs Harbour Jetty4Shores Stages 2 – 4 revitalisation project resolves challenges and beach erosion and drainage while showcasing the city's harbour side precinct. Works include underground power, covered stage, major drainage, beach erosion control works, shared pathways, accessible amenities, beach showers, picnic shelters, car parks, a boardwalk, beach promenade with wheelchair access to Jetty beach, landscaping, outdoor exercise equipment and public art.

IPWEA NSW members were key members of the project team involved in the construction, project management, and design and construction management throughout the project. Construction was in collaboration with AJ Civil.

# CATEGORY 1A

## DESIGN AND CONSTRUCTION OF A LOCAL GOVERNMENT/ PUBLIC WORKS PROJECT (PROJECTS LESS THAN \$500,000)



**Kempsey Shire Council**  
**Crescent Head Foreshore Reserve Public Amenities**



Crescent Head foreshore reserve overlooks an iconic creek, beach and world renowned surf break. A new modern public amenities facility was a high priority for both the local community and visitors, to cater for the increasing use and popularity of the location. In recent years the reserve has been enhanced by the construction of an architecturally designed award-winning surf club building, as well as a new disabled accessible footbridge over the creek and footpath network throughout the reserve. Council staff designed the low maintenance, highly functional and visually attractive custom design facility to compliment, but not dominate or detract from, the landmark surf club building.

The facility incorporates female/male cubicles, unisex accessible/baby change cubicle and unisex family sized

shower cubicles, located off a central breezeway with shared hand basin. The open, inclusive and safe design is sympathetic to the sensitive busy coastal environment. The location within the reserve provides safe and easy access from the carpark and footbridge. Associated landscaping and new footpath linkages enhance the visual amenity and accessibility.

### *Judge's Comments*

Council staff designed a low maintenance, highly functional and visually attractive Public Amenities building, located on the Crescent Head Foreshore Reserve. The facility needed to compliment but not dominate or detract from the adjacent architecturally designed and Award winning Surf Club building. The design utilises attractive louvres allowing for passive surveillance, easy to clean materials and maximises natural ventilation and light. The outcome is an open, inclusive and safe design, sympathetic to this popular coastal environment. The project is in collaboration with Momentum Solutions.

### **HIGHLY COMMENDED:**

**Central Coast Council**, Fire Trail Reconstruction for Pleasant Valley Trail Complex

# CATEGORY 1B

## DESIGN AND CONSTRUCTION OF A LOCAL GOVERNMENT/ PUBLIC WORKS PROJECT (PROJECTS GREATER THAN \$500,000 BUT LESS THAN \$5 MILLION)



### The Royal Botanic Gardens & Centennial Park Centennial Parklands Sport Centre



The Sports Centre at Centennial Park is the largest community sports precinct in Australia with more than 560,000 sports users and 35 different sports played. Containing Netball courts, Tennis courts, as well as amenities, change rooms and office space, with the works now complete, the facilities can easily support the 150 schools that visit the precinct each year, and the 16,000 hours of sport that are played in the area!

Being a key commercial space for the Precinct, works were scheduled to ensure the facility continued to operate and serve the community throughout the entire project while also facilitating works within Tree Root

Zones of Highly significant trees, Heritage precinct, adjacent Light Rail site in addition to the management of Stakeholders, Contractors and Designers, the team completed the project to achieve a high quality result within the scheduled time-frame.

### *Judge's Comments*

The completion of the refurbishment of 11 tennis courts to a state-of-the-art Play Sight Smart Court Technology has brought up to date the sports complex in Centennial Park which provides facilities for over 560,000 sports users per year engaged in 35 different sports. The complex also caters for 150 local schools. Energy efficient LED lighting has been installed to provide lighting for night time activities.

### **HIGHLY COMMENDED:**

**Griffith City Council**, Bagtown Roundabout

**City of Parramatta**, Subiaco Creek Cycleway

**Eurobodalla Shire Council**, Corrigans Inclusive Playground



Category 1B is proudly partnered by McCullough Robertson Lawyers

## Construction and Infrastructure legal specialists for Local Government

### Key areas of service include:

- adjudication, litigation, arbitrations and alternative dispute resolution services
- advising on environmental assessment pathways
- business case assessment
- compliance and legislative advice
- contract administration and contract audits
- contracts and claims advice
- joint venture agreements
- probity and procurement
- project documentation
- project implementation support
- project structuring and advising on appropriate delivery models
- property transactions
- Public Private Partnerships (PPP)

For further information contact:

**Goran Gelic**

02 8241 5659

[ggelic@mccullough.com.au](mailto:ggelic@mccullough.com.au)

**Kate Swain**

02 4914 6914

[kswain@mccullough.com.au](mailto:kswain@mccullough.com.au)

[mccullough.com.au](http://mccullough.com.au)

# CATEGORY 1C

## DESIGN AND CONSTRUCTION OF A LOCAL GOVERNMENT/PUBLIC WORKS PROJECT (PROJECTS GREATER THAN \$5 MILLION)



**City of Canada Bay**  
**The Connection - Smart City Community Facility**



The connection is a unique community facility that demonstrates the new “Smart City” direction in provision of digital facilities for the community this facility offers a full range of modern digital capabilities to provide community leadership in the education and provision of digital opportunities for the community. The community is able to learn robotics, 3-D design and printing, community access to latest technology meeting spaces.

The facility has been designed as an Iconic Architectural Building and includes a digital art gallery, lighting art, artistic water play feature, amphitheatre, landscape art, and an over water community space. The Connection is a 4 Star Green Building design, construction and operation accreditation categories.

### *Judge's Comments*

The Connection is a unique community facility. It demonstrates the new Smart City direction in provision of digital facilities for the community. The Facility is a group of integrated, architecturally designed buildings and outdoor areas that provide a multitude of state-of-the-art community resources. The Connection forms the community heart where citizens can meet and collaborate as well as enjoy the beautiful outlook over Homebush Bay.

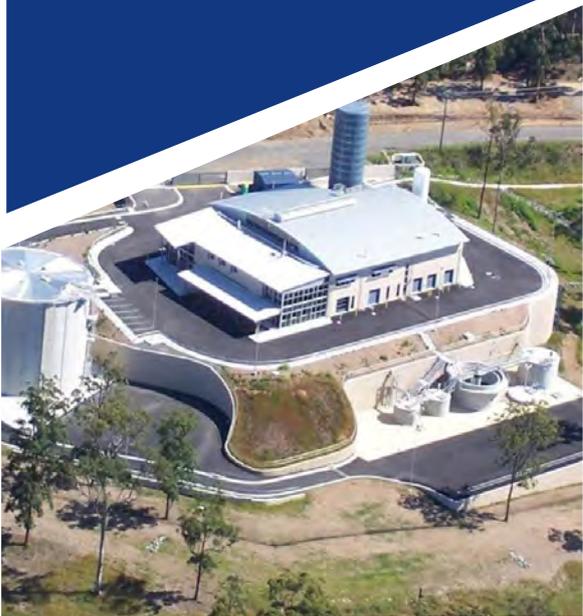
### **HIGHLY COMMENDED:**

**City of Parramatta**, West Epping Park Major Upgrade

**Kempsey Shire Council**, Upgrade of Macleay Valley Way



Interested in  
shaping  
communities  
in NSW?



## Public Works Advisory

Public Works Advisory has more than 160 years' experience delivering and managing infrastructure projects for NSW. We continue to support local and state government agencies by providing expert advisory, planning, delivery and support services.

We have a team of more than 350 dedicated people across seventeen offices state-wide, including specialists with expertise in, dams, buildings, roads and bridges, rivers and stormwater, water and wastewater, heritage and environmental projects.



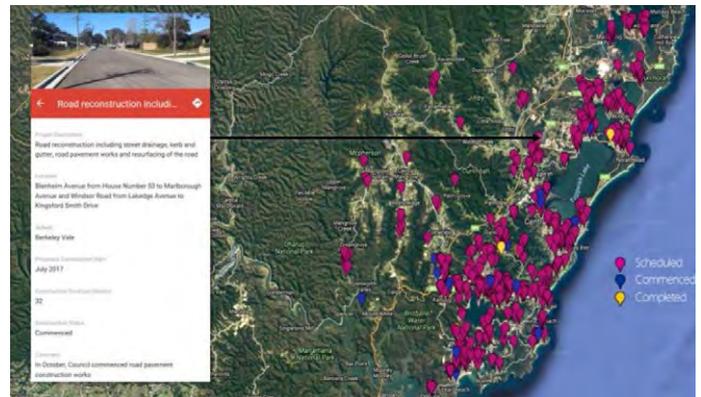
For further information follow us on LinkedIn and [www.publicworksadvisory.nsw.gov.au](http://www.publicworksadvisory.nsw.gov.au)

# CATEGORY 2

## NEW OR IMPROVED TECHNIQUES INCLUDING; INNOVATION AND/OR INTRODUCTION OF TECHNIQUES OR OUTSTANDING MANAGEMENT INITIATIVES OR OUTSTANDING ACHIEVEMENT IN ASSET MANAGEMENT



### Central Coast Council Capital Works Interactive Map and Updates



Every year, Council invests a considerable amount in improving road, transport and drainage infrastructure throughout the Central Coast region. These works are planned in advance through Council's Delivery Program and are identified in more detail in Council's Operational Plan. Council has developed this interactive map to help local residents see what road, transport and drainage capitals works are planned in their neighbourhood. The map does not feature details of the normal maintenance programs undertaken by Council on an annual basis but the major improvements and investments being made in infrastructure for the future.

The interactive map reflects works for the 2017/18 financial year which will see Council deliver more than 570 projects at an investment of over \$70 million. Each project is identified with a pin which includes regular updates and photos. This project has been part of a continued effort by Council to keep the community informed and engaged with what is happening across the local government area.

### Judge's Comments

The Interactive Map has been developed to help local residents to see online what road, transport, and drainage capital works are planned in their neighbourhood. This year the Council will deliver approximately \$70 million of capital works projects. Each project is identified by a pin on the map. By selecting the pin, residents will be able to view project drawings, photos, budgets, timings and regular updates. Updating is ensured by regular works delivery meetings with uploading directly from the reports. This is the latest in a continued effort by the Council to keep the community informed and engaged.

### HIGHLY COMMENDED:

**Lake Macquarie Council**, Business Transformation Project - Road Maintenance

**Campbelltown City Council**, Bridge Management Strategy



Category 2 is proudly partnered by the Roads & Transport Directorate

New South Wales



**IPWEA**

INSTITUTE OF PUBLIC WORKS  
ENGINEERING AUSTRALASIA



# IPWEA (NSW) ROADS & TRANSPORT DIRECTORATE

**The Roads & Transport Directorate is a joint undertaking between the LGNSW and IPWEA (NSW) to provide a resource to:**

- ▲ Assist members in discharging their road management roles
- ▲ Assist LGNSW
- ▲ Assist Individual Councils
- ▲ Assist IPWEA (NSW)
- ▲ Lobby for an equitable share of resources and funding
- ▲ Research road and transport issues

The Roads & Transport Directorate congratulates the 17 outstanding projects nominated for the New or Improved Techniques Category

**IPWEA (NSW) Roads & Transport Directorate**

Level 12, 447 Kent Street SYDNEY NSW 2000

Ph: (02) 8267 3000

Fax: (02) 8267 3070

[www.ipwea.org/roadstransportdirectoratorate](http://www.ipwea.org/roadstransportdirectoratorate)



**IPWEA (NSW)  
Roads & Transport  
Directorate**

# CATEGORY 3

## INNOVATION IN WATER SUPPLY AND WASTEWATER



### Hunter H2O & Hunter Water Corporation Belmont & Cessnock Wastewater Treatment Plant Works Remediation



Hunter Water Corporation and Hunter H2O worked in partnership to implement urgent remediation of inlet structures at Belmont and Cessnock Wastewater Treatment Works. These structures had suffered severe concrete degradation from long-term exposure to hydrogen sulphide gas (H<sub>2</sub>S) arising from turbulent sewage that flowed in continuously 24 hours per day, 365 days per year. Each structure usually operated and received flow from a complex network of up to fifteen wastewater pumping stations. It was not possible to hold back the flow in the network during the daytime. The only

opportunity to attenuate flows was between midnight and 6am for 2-4 hours at a time and when there were favourable antecedent weather conditions.

### *Judge's Comments*

Hunter Water Corporation and Hunter H2O have worked in partnership to successfully implement urgent inlet works remediation projects at Belmont and Cessnock Wastewater Treatment Works. Both inlet works were subject to continuous sewage inflows that could not be shut off for more than 2-4 hrs. Detailed hydraulic analysis and modelling was undertaken to determine strategies for short term bypassing and attenuation of flows so as to maximize the times when each structure could be isolated and drained. The project has set a precedent for shutdown methodologies and similar remediation projects.

### **HIGHLY COMMENDED:**

**Tamworth Regional Council**, Sewer Rising Main

**Ballina Shire Council**, Ballina Wastewater Treatment Plant Blower Optimisation



Category 3 is proudly partnered by the Water Directorate

# WATER DIRECTORATE

SPONSOR OF THE IPWEA'S EXCELLENCE  
AWARD FOR INNOVATION IN WATER  
SUPPLY AND WASTEWATER

The Water Directorate congratulates these  
nominees on their outstanding projects.

**Ballina Shire Council**

Ballina Wastewater Treatment Plant Blower  
Optimisation

**Ballina Shire Council**

Smart Watering Metering

**Bellingen Shire Council**

Kalang River Contamination

**Eurobodalla Shire Council**

Bodalla Sewerage Scheme

**Hunter Water Corporation & Hunter H2O**

Belmont & Cessnock Wastewater Treatment Plant

**Gunnedah Shire Council**

Gunnedah Sewerage Treatment Plant Upgrade

**Kyogle Council**

Kyogle Water Supply Augmentation

**MidCoast Water Services** (division of MidCoast Council)

Nabiac Water Supply Scheme

**Parkes Shire Council**

Parkes Integrated Water Infrastructure Renewal  
Program

**Public Works Advisory**

Design and Construction of the new Cobar Water  
Treatment Plant

Gary Mitchell, Executive Officer

**Telephone:** 02 9188 4390

**Web:** [www.waterdirectorade.asn.au](http://www.waterdirectorade.asn.au)

**Email:** [gmitchell@waterdirectorade.asn.au](mailto:gmitchell@waterdirectorade.asn.au)



**WATER  
DIRECTORATE**

# CATEGORY 4

## WORKPLACE HEALTH AND SAFETY



### Sutherland Shire Council Managing HVNL - Chain of Responsibility Change and Implementation



Councils leading approach to implementing required changes to ensure best practice in its application and compliance with Heavy Vehicle National Laws “Chain of Responsibility” requirements are achieved, resulting in improved public and worker safety. In late 2016 Council initiated its own CoR audit to identify potential compliance gaps based on criteria from the National Logistics Council. This resulted in a number of non and partial compliance

being identified, leading Council to implement a 12 month improvement program to manage CoR risks and ensure compliance with HVNL.

Sutherland has been able to assist other Councils with practical examples on how best to approach implementing change for such a complex subject area as CoR compliance.

### *Judge's Comments*

Council has implemented changes necessary to ensure compliance with Heavy Vehicle National Laws “Chain of Responsibility” in order to improve public and worker safety. The changes have ensured the Chain of Responsibility requirement has been integrated into its standard operating conditions including Work, Health & Safety Risk Management practices, systems and procedures including procurement contracts and agreements with GPS monitoring of speed, fatigue and mass loading.



Category 4 is proudly partnered by Pro-Visual



# CATEGORY 5

## EXCELLENCE IN ROAD SAFETY ENGINEERING



**City of Canada Bay**  
**Bay Run - Road, Bicycle and Pedestrian Safety Improvements**



The Bay Run along Timbrell Drive was previously a 2.2 metre wide shared path immediately adjacent to the trafficable lanes of Timbrell Drive. Timbrell drive had adverse crossfalls creating a dangerous safety situation for motorists. To address the various safety issues Council relocated Timbrell Drive to create a 6 metre wide separated pedestrian and cycle path and provide a safer road by introducing superelevation.

### *Judge's Comments*

The Bay Run circumnavigates the shores of Iron Cove Bay and is one of the most popular harbour side tracks in Sydney. This section replaces a narrow, shared use path, adjacent to the road with a 3 metre drop off into the bay. The project greatly improves the safety of the section at Timbrell Drive, which has vehicle use of 20,000 plus. The road has been relocated over 4 metres to the south to provide a 2.5 metre cycle path separated from a 2 metre pedestrian path with a 0.6m planted buffer between. Smart City lighting is provided with capacity to carry Wi-Fi, 4G, 5G and CCTV. Peak hour cycle usage is 100 per hour and pedestrian usage is over 4,000 per day.

### **HIGHLY COMMENDED:**

**Port Stephens Council**, Shoal Bay Traffic Signals and Raised Pedestrian Crossing

# CATEGORY 6

## ENVIRONMENTAL ENHANCEMENT PROJECT OR INITIATIVE INCLUDING RECOVERING, RECYCLING AND REUSING



**MidCoast Council,  
Tuncurry Waste Management Centre Redevelopment**



The concept was to embrace waste prevention techniques - the 4Rs “Reduce, Reuse, Recycle and Recover” - in all aspects of the new Tuncurry Waste Management Centre. The project involved transforming an industrial, at-capacity landfill site, and provided an opportunity to develop a community recycling precinct where our community feel welcome and are encouraged to re-imagine the way they think about waste!

Aligning with an overarching waste objective of diverting waste from landfill, an innovative approach was required to deliver a project that showcased waste minimisation and environmental consideration across all facets of

project delivery, from green design, to diverting excess construction materials on-site for other uses during execution, and incorporating recycled materials in the construction.

### *Judge's Comments*

Council has redeveloped the existing Tuncurry Waste Facility from a landfill site to a \$4.5 million multi-functional integrated Waste Management Facility. A site Masterplan coordinated the detailed design of multiple disciplines across the site, also providing opportunities for community groups to work together on the site to achieve a common goal of waste diversion from landfill to recycling. The facility has now become a Community Hub involving modern Waste Compaction and Transfer Station, a large Community Recycling Centre, Education Facility and a new “Men’s Shed” Workshop and Community Car parking.

### **HIGHLY COMMENDED:**

**Sutherland Shire Council**, Council’s Material Handling and Storage Facility

**Cessnock City Council**, Development of A Transfer Station at Cessnock Waste Management Centre

# CATEGORY 7

## LOCAL GOVERNMENT EXCELLENCE IN ROAD SAFETY



**Ku-ring-gai Council**  
**2018 Road Safety Calendar**



The calendar is an excellent resource to promote and educate the whole community on commonly misunderstood or current road safety issues. With seven councils working together to create the calendar it ensures knowledge and creative thinking are combined to develop a product that evolved, improves and is engaging.

It has become a well-loved resource and is very popular amongst the community. There is great anticipation for its release every year with numerous requests from local community members, organisations, including enquiries from Road Safety Practitioners from other Australian States and overseas.

### *Judge's Comments*

This project is an example of best practice and collaboration between 7 councils; Ku-ring-gai, Hornsby, Lane Cove, North Sydney, Northern Beaches, City of Ryde and Willoughby Council. The Road Safety Calendar is an extremely innovative way of presenting Information State and potentially Nationwide in the future. The calendar addresses a range of key road messages for communities such as 'what to do in a car crash' and 'active walking programs' while being fun and colourful.

# CATEGORY 8

## MULTI-DISCIPLINARY PROJECT MANAGEMENT



### **Parkes Shire Council** **Integrated Water Infrastructure Renewal Program**



optimise results. By embracing contentious issues and encouraging cohesion through procurement, design and construction phases, it was ensured that the project achieved excellence in sustainable infrastructure.

### *Judge's Comments*

Parkes Shire Council completed a once in a lifetime renewal of Parkes urban water supply and sewerage schemes, collectively known as the Parkes Integrated Water Infrastructure Renewal Program. The \$100M program reflects a holistic approach that encompasses Parkes entire water cycle. It comprises several interrelated projects, including Construction of a new Water Treatment Plant; Construction of a new Sewage Treatment Plant; Augmentation and refurbishment of urban water mains; Raw water infrastructure upgrades and Establishment of a Recycled Water Scheme. The program reduces demand on potable water supply whilst simultaneously increasing the availability and security of water resources.

To achieve the ambitious scale and fast-track delivery timeline of Parkes' Integrated Water Infrastructure Renewal Program, Parkes Shire Council established a dedicated Project Management Office (PMO) comprising industry leaders in HSECQ supervision, engineering design, and environmental management.

The PMO ensured Council implemented Tier 1 management practices in a regional setting, and never put productivity ahead of HSECQ outcomes; all works were delivered without incident. The PMO engaged a panel of experts to review the construction contractors, facilitating constructive tensions that challenged the contractors to

### **HIGHLY COMMENDED:**

**Hornsby Shire Council**, Hornsby Station Footbridge

**COMPLETE** *Category 8 is proudly partnered by COMPLETE Urban*



**COMPLETE**

**CYCLE WAYS**

**ARCHITECTURE**

**ENGINEERING**

**LANDSCAPE ARCHITECTURE**

**MANAGEMENT**

**TOURIST PARKS**

**TELECOMMUNICATION**

**URBAN DESIGN**

**LIBRARIES**

**AQUATIC CENTRES**

**DESIGNS AND DELIVERS PUBLIC WORKS**

# SPECIAL COMMUNITY FACILITY AWARD



**Maitland City Council**  
**The Riverlink Building High Street – Levy Component 2**



The Levy Project is a key element of the revitalisation of Maitland's main street. The Riverlink Building and Public Domain were built as part of the second component of the Levy. It is an architecturally designed proscenium arch linking the High Street Commercial area to the River. The project includes the building (containing a 75 seat restaurant/café, amenities and audio visual room), public domain and a sculpture all in high quality materials and finishes.

The combination of design, build quality, materials and location combine to provide a beautiful and spectacular piece of public infrastructure in the middle of the Levy. The evolution of the project included meaningful engagement with the community, and agreement on design outcomes. The project reflects funding strategies, contract development and creation of effective communication strategies that have ensured that business owners, traders, media and the community have been engaged during the construction period of the project.

## *Judge's Comments*

The Riverlink Building is a key element in the revitalisation of High Street, Maitland and the Maitland CBD. It complements the work already completed in High Street by providing a spectacular public link to the Hunter River. The Riverlink Building and its public domain were conceived and built as an architecturally designed proscenium arch linking High Street commercial area to the river. The building includes a restaurant/cafe, public amenities, a public domain and a feature sculpture, all in high quality materials and finishes. The combination of design, craftsmanship, materials and location combine to provide a beautiful and spectacular piece of public infrastructure.

# SPECIAL TRANSPORT INTEGRATION HUB AWARD



## Northern Beaches Council Church Point Carpark and Seawall Project



This \$10 million project completely reinvigorated the foreshore around Church Point. The project included a car park for off-shore commuters, a sea wall, road realignment, and a new boardwalk to promote active travel in the community. The major civil works, land reclamation, and multi-disciplinary project management involved in this project has redefined the public perception and quality of projects that Councils can deliver. The project was completed and opened to the public in May 2018.

In order to deliver a successful project, the project team had to balance the conflicting needs of the community, including both public and private uses, and deliver

necessary services to the community while protecting the natural beauty and vistas of the area.

An aesthetics advisory group was created consisting of professionals from the community, volunteering their time, to assist Council in delivering a project consistent with and that complemented the language of Church Point. Engaging such a group and ensuring their direct involvement helped Council manage the community's views.

### *Judge's Comments*

The carpark, roadworks and pedestrian boardwalk have reinvigorated the foreshore around Church Point. The 2-level Carpark, built for offshore commuters and local use, has been aesthetically designed to preserve the natural beauty and vistas of the area, and blend into the surrounding landscape. The roadworks and boardwalk greatly improve traffic and pedestrian safety. The boardwalk is provided to promote active travel in the area. An advisory group of volunteering professionals from the community greatly assisted the Council to deliver the project, consistent with the community views.

# SPECIAL HERITAGE AWARD



## Northern Beaches Council Refurbishment of Heritage Sydney Tram



In 2014, Council became aware of the rare opportunity to purchase and restore a historic Sydney tram to be used as a public interest and activation piece in the refurbishment of the Tramshed Arts & Community Centre. This site was the old Terminus for the Manly to Narrabeen tram line which last ran in 1958. The inclusion of a refurbished tram would not only link the heritage listed terminus building with the Tramshed Arts & Community Centre but also serve as a reminder of the history on the Northern Beaches.

The refurbishment was largely carried out by a local community group, the Forest Men's Shed who volunteered their time over a period of 12 months to bring the dilapidated tram back to life by returning it to as close

to original as possible. Council funded the materials for the project as well as specific trade services. The total project cost was \$113,000. The inclusion of the local community group in this project had a positive outcome through a sense of ownership within the community that has continued since the opening of the tram. The Tramshed Arts & Community Centre today is a multi-use centre used by numerous community groups. The tram is open to the public as an interactive piece of history at the centre for the community to enjoy for many years.

### *Judge's Comments*

The historic Sydney Tram has been acquired by the Council and refurbished by local community group, the Forest Men's Shed to form an important addition to the Tram shed Arts & Community Centre at Narrabeen. The site is the terminus of the old Manly to Narrabeen tram line which last operated in 1958. The Tram shed Arts & Community Centre is a multi-use centre, used by numerous community groups. The Tram adjacent to the centre café and is open to the public as an interactive piece of history for the community to enjoy for many years to come.



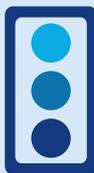
Construction of the new bridge over the Clarence River at Harwood as part of the Pacific Highway upgrade – April 2018

**We manage and maintain:**

more than  
**18,000 km**

of state roads including 4,100 km  
of the National Land Transport Network

over  
**4,000**  
traffic  
signals



  
**5,700**  
bridges

  
**49**  
commuter wharves

**22,815**  
commercial and private  
boat moorings



  
**6.6 million**  
registered vehicles

**237,283**  
vessels



Roads and Maritime Services, as part of the Transport cluster, exists to make NSW a better place to live. The agency works to enable safe, efficient and reliable journeys on road and maritime networks to connect people to economic opportunities and vibrant, liveable communities while delivering on NSW Government transport system priorities.

Roads and Maritime is proud to be a Silver Sponsor for the **IPWEA NSW State Conference 2018**



*Now is your chance  
to be part of the*

# **ENGINEERING EXCELLENCE AWARDS 2019**

---

**The IPWEA (NSW) State Conference 2019 will be held back  
at Crowne Plaza, Hunter Valley 6 – 8 November**

IPWEA (NSW) members are invited to nominate people and projects in various categories. Nominations are judged on their merits and are not constrained by project size or council/organisation size.

The IPWEA (NSW) Division presents the Engineering Excellence Awards each year to promote and recognise excellence of Local Government and public works projects. This is achieved through inspiration, innovation, development and completion of projects and technical management by our members.

Award Submissions due Monday 29 April 2019

Full Project Submissions due Monday 27 May 2019

Inspections will be conducted during July/August 2019

Engineering Excellence Awards Gala Dinner 2019: Thursday 7 November

## **WANT TO PRESENT ON YOUR PROJECT AS WELL?**

The preparation of a paper to present at the conference is a unique opportunity to share your knowledge and experience, and to contribute to the future of local government and the public works industry.

Papers are due Monday 24 June 2019

Templates will be available on [www.ipwea.org/nsw](http://www.ipwea.org/nsw) early 2019.