

RAW WORX

Structural | Civil | Marine | Rail

OUR SERVICES



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BRIDGE EXPANSION JOINTS



Bridge Expansion Joints enable movement and provide water tightness to bridge structures – correctly installed Expansion Joints are vital to maintain the longevity of a bridge's structural adequacy.

Incorrectly designed or installed expansion joints require costly maintenance and repair.

Raw Worx have installed over one kilometre of Expansion Joints throughout both QLD and NSW. Raw Worx continues to be the recommended installer for manufacturers and suppliers with systems that have proven durable and cost effective.

We Install:

- *Small Movement Joints*
- *Large Movement Joints*
 - *Saw Cut Joints*
- *Old and New Bridges*

Contact Raw Worx for more information on these services or for a quotation on your next project.



ROAD MAINTENANCE



Raw Worx is a **leading** provider of specialised Road Maintenance across Australia. Our Asphalt Crack Sealing division provides support to asset owners of Airports – Motorways – Roads – Carparks.

We are capable of tackling your small and large programmed or routine jobs, as well as reactive maintenance work.

Additionally we can take care of bridge drainage, expansion joints, debris and vegetation clearing, asphalt crack sealing and inspections.

Our Road Maintenance Division Key Facts:

- Experienced staff skilled in Road & Asset Maintenance
 - Prompt service from friendly staff
 - Reliability through programming and planning
 - Night, Day and Shift work
- We only use proven and market tested products
- All our plant equipment is reliable, maintained, plant packed and insured

Raw Worx is your **trusted partner**. Contact us for more information or to obtain a quote on your next project.

CONCRETE REPAIR



Since our inception we have strived to provide our clients with high quality **specialist** concrete repair.

Our staff have both local and international training, to ensure we are at the forefront of the industry.

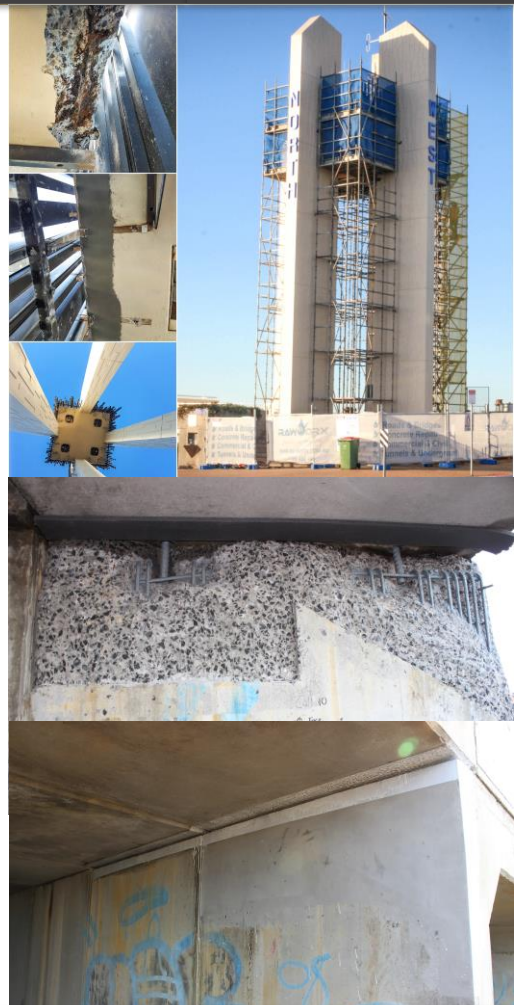
Quality concrete repair encompasses much more than using just a jackhammer and trowel, it is crucial the proper methods are followed. We regularly complete patch repairs, form and pour works, cathodic protection, “concrete cancer” and road authority works for Tier 1 and 2 contractors.

Our **highly trained** technicians are continually servicing local council bridge remediation projects, building and body corporate work, large civil infrastructure projects and roads and bridge construction.

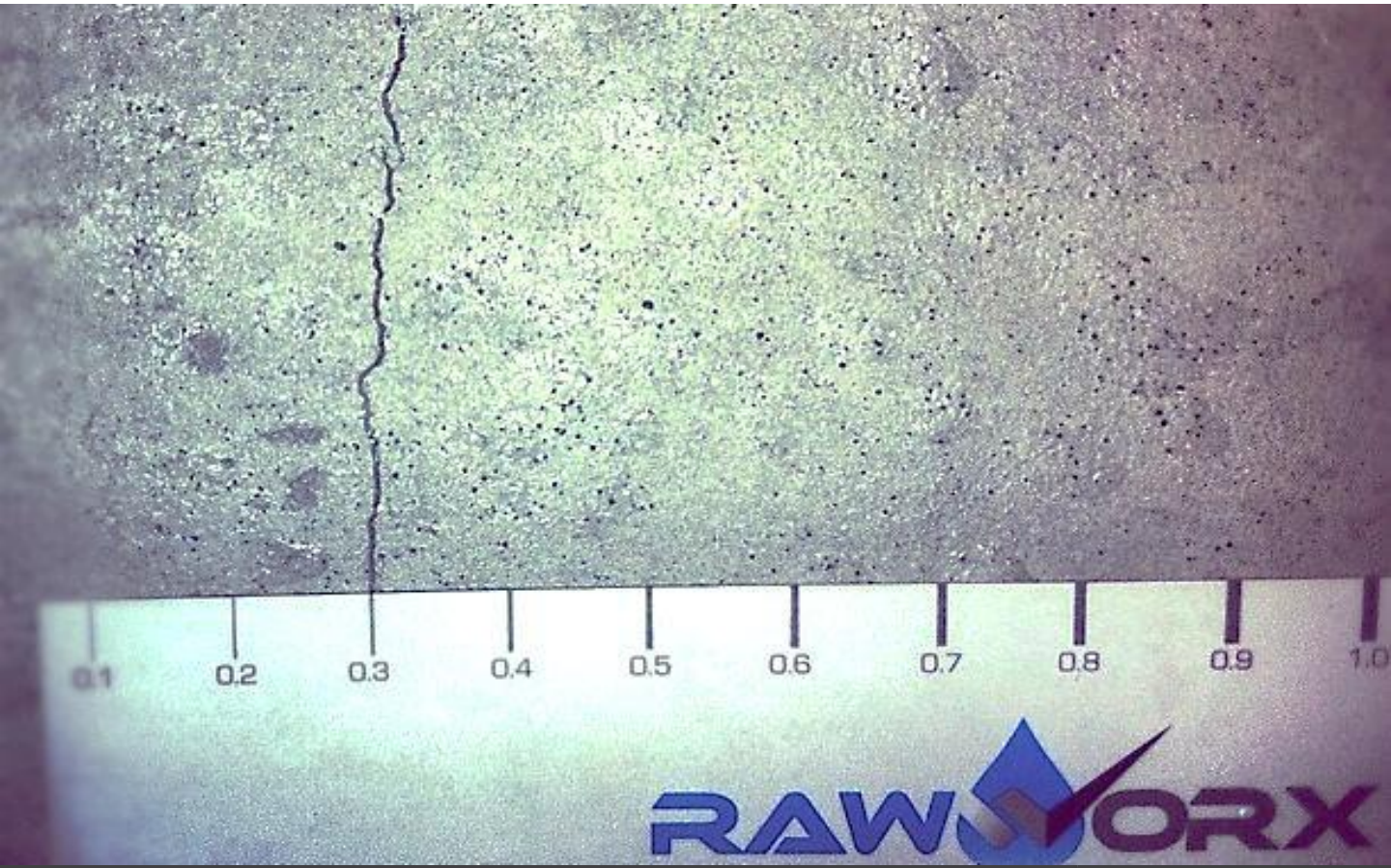
Contact us for a **specialist team** today.



Australasian Concrete Repair Association
Corporate Membrane #169



CONCRETE CRACK INJECTION



Concrete **durability** is the core attribute of **quality** bridge construction. Ensuring defects and cracks are repaired as soon as they are found proves vital for the **longevity** of the asset.

Raw Worx has, through its training and implementation of **successful** repairs, become an industry respected provider for crack repair and injection.

We have delivered over two kilometres of crack injection on major projects and government assets with our highly **trained** technicians.

Contact us for a **solution** today and select a contractor who has been completing this work in the long term, in line with both TMR and RMS specifications.



LEAK AND TUNNEL INJECTION



Raw Worx is the **most experienced** Injection contractor in the tunneling field throughout Australia. We have injected over 50,000KG of acrylate resins to **permanently** seal over 5,000 water ingress issues during our time underground.

Raw Worx is continuously chosen as the sole repair contractor on major tunnel projects, due to our ability to complete large scale work efficiently with **small experienced** teams.

Collectively we have spent over 25,000 onsite man hours on these projects, delivering injection and repair services.

Our approach to QA/QC and the **confidence** in our work has provided past clients with warranties and **piece of mind**.



PROTECTIVE COATINGS



Protective coatings can not only repair **construction defects**, but they can also provide vital protection to the structure and assist in its ongoing **serviceability** and durability.

There are many different requirements including;

Low concrete cover coatings, **anti-carbonation** coatings, protection from **chloride ion** ingress, waterproofing, mechanical protection and **anti-graffiti**.

Additionally we have developed a specialist ability to perform steelwork coating upgrades, consisting of **abrasive blasting** and coating performed in specialised access systems and **encapsulation**.

Raw Worx has installed these coatings on various structures and our **attention to detail**, site cleanliness and project QA makes us your best option for a **quality** job.



STRUCTURAL STRENGTHENING



CFRP Strengthening involves the application of near surface mounted laminates or wraps to strengthen a structure which may have been incorrectly designed, constructed or is suffering from degradation. It may also be used to upgrade existing structures for increased loads.

The use of this type of strengthening is becoming increasingly popular, in comparison to costly demolition or new structures that would be traditionally required.

Meticulous planning, preparation, testing and careful installation is critical to ensuring any CFRP designed improvement is achieved.

Raw Worx completes in house tensile strength testing of the concrete, prior to the installation, ensuring the system will perform as designed.

It is also important to address any cracking or distress in the substrate before application.

Raw Worx is a recommended installer of major manufacturers and can install to bridges, culverts, slabs, roofs, columns and heritage structures.



BRIDGE DECK WATERPROOFING



Bridges are **vital** assets which are designed and built to last for the maximum length of time specified. This is why a bridge deck waterproofing solution is vital to new and old assets.

Effective waterproofing of a bridge can lead to:

- **Reduced maintenance**
- **Maintained or increased service life**
- **Extended durability of the concrete and reinforcement**

An **effective** solution is more than a bitumen spray seal – they consist of multi layer, **fast setting** systems which are applied on properly prepared concrete.

These designed solutions can prevent the ingress of water, solvents, chlorides and assist with bridges suffering degradation including those with Alkali Silica Reaction (ASR) issues.

Raw Worx is Australia's most experienced and professional Bridge Deck Waterproofing contractor with over 14,500m² completed on over 30 **RMS** and **TMR** assets.

MAJOR BRIDGE REMEDIATION



Along with our growth came our **capability** to deliver major projects for local government and major contractors specialising in Structural Repair & upgrades.

We grew our offerings in bridge remediation to include all the services listed in this brochure along with our personalised **project management** and **industry leading quality management** and documentation.

Our **company owned** marine, specialised plant and equipment helps us remain **cost effective** and deliver these projects **safely**.

We have the capability to work on the most detailed engineering problems and give our clients **value for money**.

MARINE PLANT/LABOUR HIRE



Whilst our list of **specialised** equipment is ever growing, our fleet of handy marine construction items are available to hire, or for use on **day works** for bridge and marine construction projects.

From a one day inspection to a six month project, our well **maintained** equipment would be suitable for you.

Raw Worx is **AMSA** Registered and Compliant, Insured and conducts work with approved Safety Management Systems (SMS).

If dry hire isn't your thing we can provide a skipper, a team of specialist technicians to carry out inspections, testing, diving, marine construction and **maintenance**.

Contact us with your requirements or for more information.

OTHER SERVICES



Raw Worx has cemented it's place as an **industry leader**, through providing quality services on numerous road and infrastructure projects in Australia.

Our reputation for providing **quality** services, being **cost effective** and providing our clients with industry leading **project documentation** ensures we are continually chosen ahead of others.

Some other services include:

- Cement and Epoxy Grouting
- Contract Grinding/Captive Shot Blasting
 - Joint Sealing
 - Façade Painting
- Concrete Diagnostic Testing
 - Bridge Timber Work
- Culvert Lining & Rehabilitation
 - and much more!



RAW WORX DETAILS

Company:

**Raw Worx Pty Ltd
T/A Raw Worx**

Established:

Nov 2009

ABN:

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ACN:

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Insurances:

**Workcover QLD
\$20mil Public Liability**



Certified in **Injection, Repair & Protection** of Concrete –
BZB Akademie , GERMANY



Australasian Concrete Repair
Association Corporate
Membrane #169

