



CAPABILITY STATEMENT

Ballestrin.

Complex Concrete Construction and Remediation

Company Overview

50 years of concrete construction services for the building and civil industries

Ballestrin offers comprehensive concrete construction services to the building and civil industries. Established over 50 years ago, we have extensive project experience across all areas of construction from commercial works through to industrial and mining projects.

With over 70 experienced operators and project management specialists supported with the latest in concrete technologies, Ballestrin can deliver concrete construction and repair projects of all sizes, including small complex works in challenging environments through to monolithic foundation works for large-scale projects.

Ballestrin's team is able to quickly mobilise resources to any location across Australia and complete complex works in short shutdown windows minimising delays to operational plant and facilities.

Our capabilities include:

- Complex concrete structures
- Civil concrete construction
- Concrete repairs and remediation

Ballestrin a subsidiary company of McMahon Services, a leading Australian privately-owned environmental, infrastructure and building construction and services provider operating across all states and territories. Our close working relationship provides access to their extensive fleet of plant and equipment, personnel resources and office support systems including finance, human resources, information technology, workshops, lay down yards and network of national offices.

Ballestrin is a bronze member with the Concrete Institute of Australia.

Complex Concrete Structures

Ballestrin provides a full-service solution for the construction of insitu complex concrete structures including ring beams, pile caps, bund walls, ramps, staircases, lift shafts, retaining walls, water retaining structures and bridges. Capabilities include single continuous monolithic pours up to 700m³, remote location batching and concrete placement and concrete construction works inside operational facilities.

We build light, medium and heavy-duty pavements up to 60MPa. Other areas of expertise include fibre reinforced concrete, shotcreting, specialist finishes including exposed aggregate and coloured concrete, detailed finishes, concrete sealing and surface densifiers such as Dry Treat.

Civil Concrete Construction

Ballestrin provides comprehensive civil construction concrete works including kerbing and guttering, pedestrian ramps and footpaths, road crossings, head walls and ground slabs for projects of any size or complexity.

Concrete Repairs and Remediation

Concrete repairs expertise include epoxy crack injections and coatings, cementitious remediation solutions, concrete spalling repair and halting, replacement of corroded reinforcement, and cathodic protection. We are experienced in the application of SIKA, BASF and Parchem remediation products when required.



Leadership

Clifford Byrne **Construction Manager**

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Clifford has over 16 years of experience in infrastructure construction spanning the rail, civil, water and concrete sectors. He has an honours degree in Construction Management from the University of Paisley in Scotland and is a committee member of the Concrete Institute of Australia, SA Branch. His project experience includes the construction of large span heavy-duty concrete slabs for aircraft hangers and bridge construction, as well as the full range of groundworks from piling, foundations, and stormwater management for rail, light rail and oil and gas infrastructure.

Since joining Ballestrin Construction Services in 2012, he manages the business and is responsible for the business development, client relationships, project direction, logistics, resource management, financial and commercial aspects of the business.

Brett Ordner **Estimating Manager**

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Brett has over 30 years of experience in the concreting, cement and building industry. He commenced his career as a bricklayer, before transitioning into estimating and project management roles.

Brett commenced with Ballestrin Construction Services in 2011 and has delivered several of the more complex and challenging concrete construction projects across Australia, including remote locations. His skills included scheduling, trades resourcing on large and complex projects, quality control and factory production, as well as procurement and logistics management.

Taylor McClymont **Operations Manager**

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Taylor joined the Ballestrin team as Operations Manager after working for the McMahon Services' Civil Engineering Division for two years as Project Manager.

With over 20 years of experience, Taylor has developed a broad range of construction delivery skills including on-the-tools hands on delivery, project management, procurement and logistics, resource and personnel management and has delivered major water infrastructure projects including pipelines. As Operations Manager, Taylor is responsible for operational logistics and coordination on all Ballestrin construction projects. He also operates as project manager for sites with complex delivery requirements.



Complex Concrete Structures

- Ring Beams
- Pile Caps
- Bund Walls
- Ramps
- Staircases
- Lift Shafts
- Retaining Walls
- Water Retaining Structures
- Bridges
- Continuous Monolithic Pours 700m³+
- Remote Location Batching
- Works Inside Operational Facilities
- Light, Medium and Heavy Duty Pavements
- Fibre Reinforced Concrete
- Shotcreting
- Specialist Finishes
- Exposed Aggregates
- Coloured Concrete
- Detailed Finishes
- Concrete Sealing
- Surface Densifiers such as Dry Treat



Melville Island Bulk Fuel Facility Structural Concrete Works

Client: AGC AusGroup

Location: Melville Island, NT

Contract: Lump Sum Construct Only

Value: \$3.7 million

Duration: October 2014 – March 2015

Remote far north island project delivering all structural concrete works for a bulk fuel facility and associated 200-person camp using a mobile batching plant.

Significant concrete works included the construction of three ring beams, pipe supports, 7,500m² of bund structure with 3m high bund walls, and associated supporting concrete elements.

A total of 2,500m³ of concrete was placed requiring late-night pours to counter the region's hot and humid daytime conditions, which would otherwise affect concrete curing.





Port of Brisbane Crane Rail Repairs

Client: Port of Brisbane

Location: Brisbane, QLD

Contract: Lump Sum Construct Only

Value: \$2.8 million

Duration: January 2017 – October 2017

Replacement of 300m of 80kg/m crane rail in an operational port facility with constrained access to site. Works were undertaken in discrete sections requiring a six-and-a-half day by 24-hour shutdown period. Works included service identification and protection, hydro-demolition and the coordination and supply of rail and rail plate.

As this was an international port, all personnel were had to qualify to meet Maritime Security Identification Card (MSIC) requirements.



Balco Hay Emergency Concrete Slab Works

Client: Balco Hay

Location: Balaklava, SA

Contract: Lump Sum Design and Construct

Value: \$0.6 million

Duration: April 2017 – June 2017

In late January 2017, Balco Hay's commercial hay processing plant was gutted by fire destroying hundreds of tonnes of hay and hampering future production.

After the remaining structure was demolished, production equipment urgently required two concrete slabs totalling 435m² to operate on. Ballestrin completed this element in two days and then undertook further works with delivering approximately 400m³ of concrete works to support plant infrastructure and to get the plant operational again.



Boral Stonyfell Quarry Primary Crusher Retaining Wall

Client: Boral Australia

Location: Adelaide, SA

Contract: Lump Sum Construct Only

Value: \$0.7 million

Duration: April 2015 – June 2015

The project team were engaged by Boral to undertake major capital improvement works at the quarry's primary crusher, in particular improving its retaining wall.

Works involved the demolition of existing roof and side panels, existing staircase, move existing water tank and protection to existing transformer. Scaffolding was then installed and a new steel structure was fabricated and installed. The next steps were isolation cutting, hand demolition to internal walls, bulk excavation and demolition of wall to level of existing construction joint.

Construction works involved the installation of a heavy-duty slab including wheel stops, stair footing, erection of side cladding panels and associated purlins, replacement of existing columns, replacement of side and roof panels, and installation of a 45m spoon drain. Over 10t of steel and 60m³ of concrete was poured to complete the 143m² concrete slab. Demolished materials totalled 30m³.



Paper Recycling Plant Concrete Slab

Client: Amcor

Location: Sydney, NSW

Contract: Lump Sum Design and Construct

Value: \$2.1 million

Duration: November 2013 – March 2014

Ballestrin undertook the design and construction of a 12,500m², 250mm thick concrete paper storage slab for the Amcor Paper Recycling Plant. The slab required a complex joint system consisting of Diamond Dowel in one direction and Danly Cradle Induced Crack Joints in the other.

Works were undertaken within an operational paper recycling facility, with the footprint of the slab being required for paper storage during construction works.

Berth 6 and 7 Crane Rail Repairs

Client: Flinders Ports

Location: Adelaide, SA

Contract: Lump Sum Construct Only

Value: \$0.3 million

Duration: March 2016 – June 2016

Following extensive condition surveys Flinders Ports identified approximately 96m of existing 86kg/m crane rail which was showing signs of deterioration. The project team were engaged by Flinders Ports to remove and replace eight 12m sections of existing crane rail.

Following the successful delivery, The project team were engaged to replace a further 60m of rail.

Metalcom Recycling Depot Concrete Works

Client: Metalcom

Location: Karratha, WA

Contract: Lump Sum Construct Only

Value: \$0.7 million

Duration: April 2012 – June 2012

Multiple insitu concrete elements in Karratha's Light Industrial Area including installation and placement of reinforcement steel and formwork to slab, set down, pits, aprons and verandas, steel footings and pier footings totalling 12,000m² of works. Scope included placement and set-up of control joints, concrete placement, construction of a 60t weigh bridge measuring 22m by 6.5m and construction of a rail iron turning bay measuring 20m by 25m.



Gabara Access Road Floodway Construction

Client: Australian Federal Government

Location: Kakadu, NT

Contract: Lump Sum Construct Only

Value: \$0.2 million

Duration: January 2015 – February 2015

Construction of two floodways on the Gabara Access Road as part of their Jim Jim Falls and Gabara Access Road Upgrade Works for Kakadu National Park. The floodways were 25m and 40m in length, 6m wide and totalled 100m³ of single pour concrete works with fabric reinforcement placed in layers for structural integrity.

Works in a remote location with strict environmental controls in a UNESCO World Heritage listed site.



St Mark's College Concrete Placement

Client: St Mark's College

Location: Port Pirie, SA

Contract: Lump Sum Construct Only

Value: \$0.1 million

Duration: October 2014 – January 2015

Ballestrin was awarded the contract to complete the new base floor slab extension for the St Mark's College Workshop Extension Project. Works consisted of the construction of a 120mm thick SM22 reinforced concrete raft slab with burnished finish to facilitate the extension of the existing workshop. The slab was constructed over two separate mobilisations and in three separate sections adjacent to the existing workshop.

Ballestrin worked closely with school staff to maintain safe access and egress for staff during construction and to maintain a safe environment for school pupils.

Civil Concrete Construction

- Kerbing and Guttering
- Pedestrian Ramps
- Footpaths
- Road Crossings
- Head Walls
- Ground Slabs
- Precast Concrete
- Insitu Concrete



Seymour College Civil Concrete Works

Client: Department of Planning, Transport and Infrastructure

Location: Adelaide, SA

Contract: Lump Sum Construct Only

Value: \$0.7 million

Duration: January 2017 – February 2017

Civil concrete works for education facility comprising of 70m of kerbing, 30m of drainage, fence footings and 54m² of stone masonry works. Project delivered adjacent to a heavy traffic flow Department of Planning, Transport and Infrastructure road.

ALDI Gallipoli Drive Kerbing

Client: ALDI

Location: Adelaide, SA

Contract: Lump Sum Construct Only

Value: \$0.1 million

Duration: January 2015 – February 2015

Supply, placement and finishing of 1,600m of kerbing and 15 pram ramps for new distribution warehouse in and around carpark works. Works including stand-up kerbs, kerb and gutters and breakout kerbs.

Ballera Camp Accommodation Upgrade Concrete Works

Client: Santos Limited

Location: Cooper Basin, QLD

Contract: Lump Sum Construct Only

Value: \$0.7 million

Duration: April 2014 – May 2014

Concrete works for a 69-bedroom extension to the existing Cooper Basin remote accommodation facility. Ballestrin delivered concrete footings, footpaths, veranda slabs, services pads and footings for a new package waste water treatment facility using Ballestrin's own skid steer mounted concrete pump. The team of nine, poured over 250m³ of concrete in a tight seven-week program. Ballestrin supplied pre-cast concrete footing pads which were formed in Adelaide, and then transported to site and placed resulting in an accelerated program.



Concrete Repairs and Maintenance

- Epoxy Crack Injections
- Epoxy Coatings
- Cementitious Remediation Solutions
- Concrete Spalling Repair and Halting
- Corroded Reinforcement Replacement
- Cathodic Protection
- Remediation products including SIKA, BASF and Parchem



Woolworths Distribution Centre Concrete Maintenance Works

Client: Woolworths

Location: Adelaide, SA

Contract: Schedule of Rates

Value: Confidential

Duration: January 2012 – ongoing

Ongoing concrete repairs and concrete replacement works, kerbing repairs and footpath repairs at a distribution centre. Works include construction joint repairs, armoured floor slip joints to minimise forklift movements deteriorating concrete joints, dowelling, concrete reinstatement, caulk repair. Project undertaken at a live logistics yard with 750 truck movements per day.



Olympic Dam Electric Furnace Concrete Repairs

Client: BHP

Location: Olympic Dam, SA

Contract: Schedule of Rates

Value: \$0.7 million

Duration: November 2017 – January 2018

Years of exposure to BHP's smelter furnace had caused heat damage to the concrete and a significant portion required demolition and rebuilding.

Using jack hammers and manual tools, approximately 8m³ of concrete was demolished allowing for engineers inspections. The reinforcement was identified as badly corroded, requiring the removal of spoiled reinforcement and the replacement and welding of replacement reinforcement.

Parchem Nitoprime Zincrich primer and corrosion protection was then applied to both the new and existing reinforcement. A grout mixer and high-pressure grout pump with a reach of 60m applied Renderoc LA55 Plus mortar for the replacement concrete works.



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Plant and Equipment

Ballestrin's fleet includes a Flori Mobile Concrete Batching Plant capable of delivering 16m³/h, concrete pumps, petrogen cutting torch systems and kerbing machinery. Other plant includes the Bunyan Striker roller, which achieves less than 3mm tolerances on concrete finishes.

Plant and equipment is mobile across Australia reaching most project sites within a few days. Ballestrin also has access to an \$80 million network of company-owned plant and equipment capable of servicing projects in urban, rural and remote locations

anywhere in Australia. This fleet is operated and maintained by parent company, McMahon Services.

Over 300 major plant items comprise of dozers, excavators, graders, rollers, loaders, dump trucks, batching plants, service trucks, water trucks, soil blending machines, prime movers, hook lift bin trucks, low loaders, semi tippers and cranes. We have highly experienced operators for each plant item we own with the appropriate licences, tickets and verification of competency (VOC) assessments in place.



National Capabilities

Ballestrin operate from 13 offices in South Australia, Western Australia, Queensland, New South Wales, Victoria and Northern Territory. We have delivered projects in most states and territories of Australia including in regional outback locations, remote deserts and islands to rural and urban environments including congested worksites in the central business districts of our major capital cities.

Our facilities include a national network of offices, workshops, storage facilities, laydown areas, accommodation blocks and weighbridges. The people we employ in each region are local people engaged with and contributing to the communities they live in.

These facilities are shared with our parent organisation, McMahon Services, provide Ballestrin with the advantage of our operations working together to form a unified network across the country. This gives Ballestrin the ability to share and mobilise plant, equipment, and personnel when required to even the most remote locations when needed.



Sustainability

Our WHSEQ Management System integrates International and Australian standards, legislative and regulatory requirements and is supported by a centralised Data Management System that can be accessed by all staff across the business.

This system manages our documentation including acts, regulations, standards, policies, procedures, safe work instructions and forms, as well as maintaining records for training, plant and equipment and incident management.

Our integrated Business Management System Manual has been developed to provide the guiding principles, objectives and processes of the WHSEQ Management System.

Our commitment to workplace health and safety, quality and environmental management is underpinned by our integrated WHSEQ Plan.

Ballestrin Construction Services' integrated WHSEQ management objectives are to establish, implement and continually improve the integrated management system to:

- Meet and enhance customer requirements
- Meet regulatory requirements and identified internal standards, national and international standards, codes of practice and stakeholder requirements
- Identify, isolate and eliminate or minimise quality, environmental, health and safety risks

- Ensure compliance to quality, safety, and environment policies and procedures
- To set out procedures and work instructions for all activities, processes and services
- To establish a system for maintaining progress against targets and the corrective action to be taken in the event of non-conformances
- To provide a basis against which processes can be formally audited, assessed and any proposed changes and non-conformance improvements reviewed
- To provide a means to determine sequence and interaction of processes
- To monitor measure and analyse the effectiveness of processes
- To determine criteria and methods needed to ensure operation and control of processes are effective
- Demonstrate compliance to industry standards and codes of practice
- Identify and implement best practice.

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