

An Overview of the Concrete Institute of Australia

Presented by David Millar, CEO Concrete Institute of Australia

ACI International Forum ACI Spring 2015 Convention, Kansas City





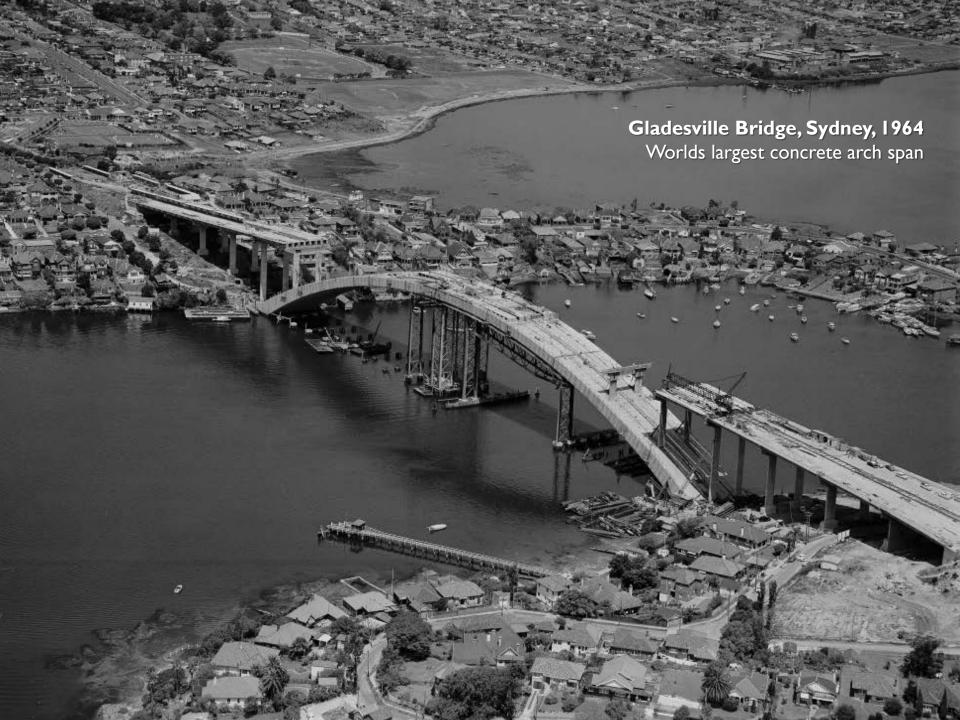




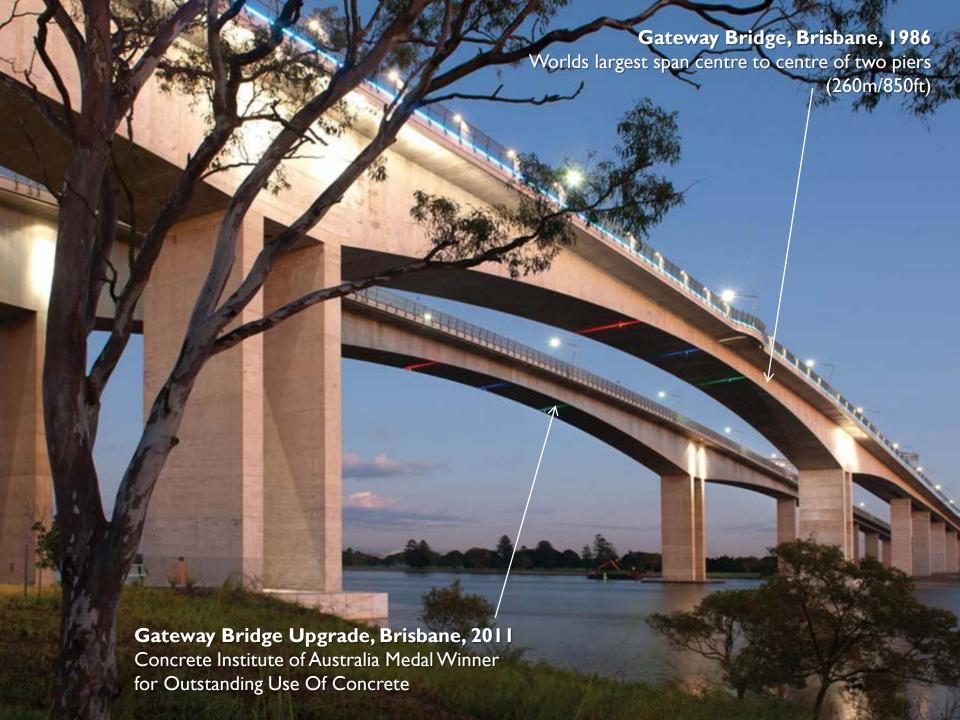






















What do we do?

The mission of Concrete Institute of Australia is –

To promote and develop excellence in concrete technology, application, design and construction throughout Australia.

How -

- Provide a forum for Members to share knowledge and experience
- Promote Membership to increase representation and balance
- Promote academic research and development
- Facilitate communication and encourage participation
- Increase public and industry awareness of concrete and construction
- Represent the concrete industry locally and globally



About us!

The Concrete Institute of Australia

- Started in 1970 45 years young this year!
- Over 2000 Members
- Board, Council and 6 State Chapters
- Strategic Committees Membership, Technical, Standards,
 Education, Recognition, International, Journal, Planning
- Journal "Concrete in Australia", distributed quarterly to 6000+ people
- 2014 75 events, > 3,800 delegates
- 27th Conference "Concrete 2015 Research into Practice"



CIA and **ACI**

- International agreement since 2003
- Over 200 ACI Members in Australia



- ACI publications and resources well recognised in Australia
- Number of CIA Members are:
 - Members of ACI
 - Fellows of ACI
 - Voting members of technical committees
- Potential for CIA to:
 - Facilitate closer technical liaison with ACI
 - Facilitate an ACI Chapter in Australia



Hosted by the Concrete Institute of Australia

Held in conjunction with 69th RILEM Week

30 August – 2 September, 2015

Melbourne, Australia









Challenges

- Face to face v online learning
- Change in skill set at consultants service not design
- Globalisation large consultants becoming harder to engage
- Everyone wants training but no funds available
- Engaging young professionals
- Less focus on networking
- Time poor volunteers have less time to contribute
- Committee structures and culture
- International standards and codes why re-invent the wheel
- Cross over many Industry Associations in a small market



Technical & Research Areas of Current Interest

- Supplementary materials in cement
- SCM's
- Geopolymers
- Ultra high performance concrete
- Early Age Cracking
- Fibres in concrete
- Design of tall buildings
- Sustainability
- Life Cycle Analysis
- Durability rationalisation

- Durability modelling
- Durability testing
- Serviceability
- Fire design for concrete
- Seismic design for concrete
- Wind design for concrete
- Failure modes/risk analysis
- Research into practice
- Specification performance v prescription



International Engagement

- Bringing the concrete world to our Members
- Don't reinvent the wheel modify it to suit our "roads"
- Open the doors of global industry groups to our Members
- Take our expertise to the rest of the world
- Learn from others and see how it works
- Representation at overseas events and conventions
- Technical liaison between International groups including ACI
- Engage with international chapters in Australia
- Be the International Chapter in Australia





Linsum Bridge, Malaysia - Iongest single span UHP ductile concrete bridge International engagement – research, teaching, practice





Thank You!

