



Beveridge to Albury - Tranche 1 'Meet the preferred contractor' supplier briefing

August 2022

## **ACKNOWLEDGEMENT OF COUNTRY**

Inland Rail would like to acknowledge that we are on Yorta Yorta Nation Country.

We hereby express our respect for the Yorta Yorta people, who are the Traditional Owners of the land on which we are meeting. We pay our respects to their Elders past, present and emerging, for they hold forever the memories, traditions, culture and hopes of all Yorta Yorta people. We express our gratitude for the sharing of this land, our sorrow for the personal, spiritual and cultural costs of that sharing and our hope that we can walk forward together in harmony and the spirit of reconciliation.



## **HOUSEKEEPING**











## PRESENTATION OVERVIEW

#### Formal welcome

David Fuller, Chair, Business Wangaratta

## Inland Rail Program and Tottenham to Albury Project overview

Ed Walker, General Manager, ARTC

## Beveridge to Albury - Tranche 1 overview

Miguel Reyes, Construction Manager – Inland Rail T2A, McConnell Dowell (MCD)

## **Industry Capability Network (ICN)**

Grant Jennings, Customer Products and Services Executive Manager, ICN Victoria

### **Q & A**

# 01

# INLAND RAIL PROGRAM AND TOTTENHAM TO ALBURY PROJECT UPDATE

一、一品、广播等的人的工作。一种上海中华的一种社会的一个中国的一个一种的一种工作的一种工作的

Ed Walker

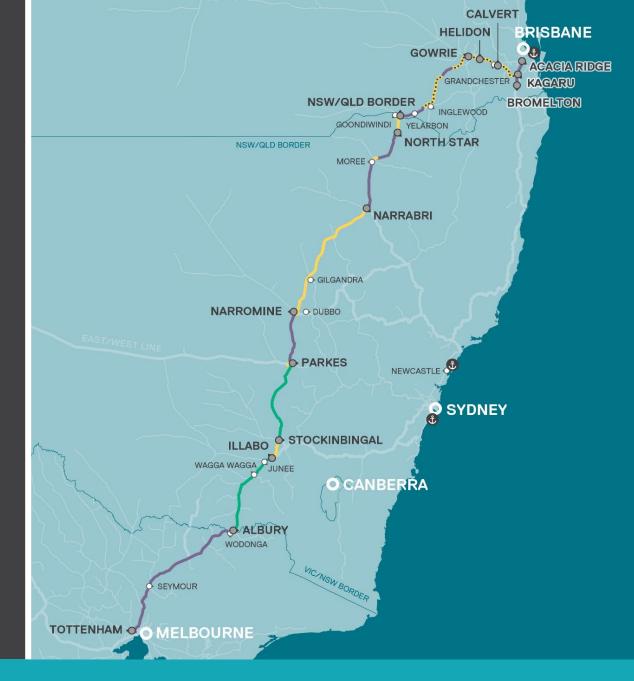
General Manager, ARTC

August 2022

## **PROGRAM OVERVIEW**

Creating a new reality for Australia and a more prosperous nation

Connecting Australia into a faster, safer, more reliable freight rail network



## **CUSTOMER REQUIREMENTS**

### **CONNECTED**

FAST + SAFE

——∙ Straight and flat



### **RELIABLE**

→ Market demand



Reliability matching that of trucks

### **COST EFFECTIVE**

└**→** 35% **←───•** 43%

From year one From 2049/50



Cost reduction compared to road (from year one)



## THE BENEFITS OF INLAND RAIL



## Meets Australia's freight challenge



- Enhances network connections
- Reduces congestion on the current coastal line
- 33-hour travel time
   Melbourne to Brisbane
   reduced to <24 hours</li>



## Creates a modal shift



Safer roads



Less road congestion



Lower costs



Fewer carbon emissions



## Stimulates the economy



Creates 21,500 jobs



Generates new economic opportunities + \$18 billion boost to GDP





## **CURRENT STATE OF PLAY**

## INLAND RAIL PROCUREMENT STATUS

#### **Projects in procurement**

T2A
 Southern works program (N2N)

A2ICentral works program (N2NS P2, NS2B)

– I2S Northern works program (B2G)

S2PRail corridor program

PPP (G2H, H2C and C2K)

#### **Operational**

P2N

#### **Projects in construction**

N2NS Phase 1

### Projects yet to be procured

K2ARB



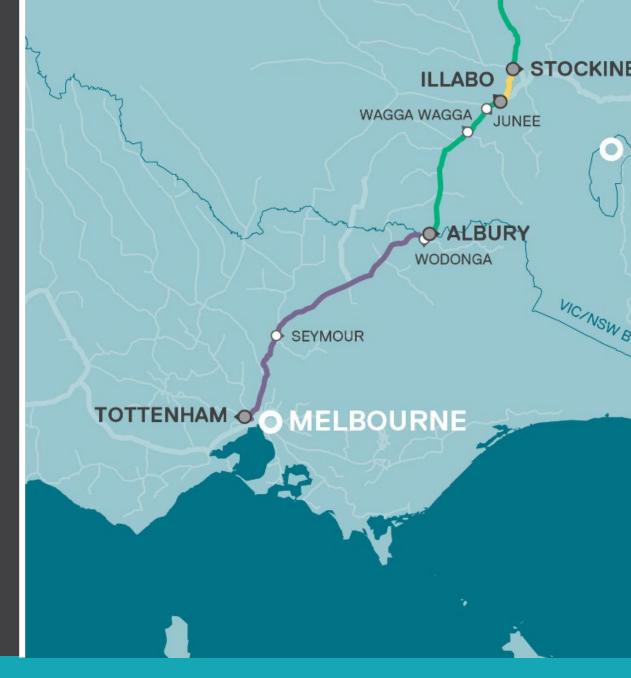
## A MAJOR BOOST FOR VICTORIA





## **VICTORIA**

- Tottenham to Albury 305km track upgrade delivered in two phase:
  - Phase 1: Beveridge to Albury major construction to begin late 2022/early 2023
    - Delivered in two tranches
  - Phase 2: Metropolitan Melbourne on hold depending decisions about intermodal terminals in Melbourne
- Community consultation ongoing
- McConnell Dowell engaged to commence early delivery activities for Phase 1 Tranche 1
- Approvals process on track for late 2022 completion
- Construction to commence early 2023





### **McConnell Dowell is Creative Construction**







McConnell Dowell was formed in 1961 by two young entrepreneurial New Zealand engineers who valued smart engineering and construction.

60 years later and McConnell Dowell has continued to grow with teams in Australia, New Zealand and Asia offering our customers innovative solutions on complex projects.



#### **Transport**

Road, rail, bridges, tunnels and airports



#### **Energy**

Hydro, geothermal, solar, wind and future fuels (hydrogen)



#### Marine & Coastal

Ports, jetties, wharves, sand pumping, freight & passenger terminals and seawalls



#### Resources

Oil & gas, mining & metals and petrochemical



#### Water & Wastewater

Storage (tanks & dams), treatment, distribution, intakes and outfalls



#### **Building**

Commercial, community & sport, health, infrastructure and industrial

We successfully deliver complex infrastructure with our customers and the community.



### **Our Values**







**SAFETY & CARE** HONESTY & INTEGRITY CUSTOMER **FOCUS** WORKING **TOGETHER** PERFORMANCE **EXCELLENCE** 



## Regional project delivery experience



South Geelong to Waurn Ponds rail duplication

- 8km of track duplication and signaling upgrades
- Two level crossing removals using rail bridges
- Two new stations

Completion target for late 2024



**Echuca Moama bridge** 

- New bridges spanning the Murray and Campaspe rivers
- 4.5km of new shared pathways
- Creative design to streamline construction and reduce costs









## Healesville – Koo Wee Rup Road upgrade

- Two extra traffic lanes
- New bridge over deep creek
- Two new roundabouts
- Shared user path









## **Project scope**











#### **4 Enhancement Sites:**

Murray Valley Highway, Barnawartha North

Beaconsfield Parade, Glenrowan

Wangaratta Precinct

Seymour-Avenel Road

#### **Corridor Wide Works:**

Track Slew

Signalling Equipment Relocations

Overhead Powerline Relocations/Raising



STAGE 1

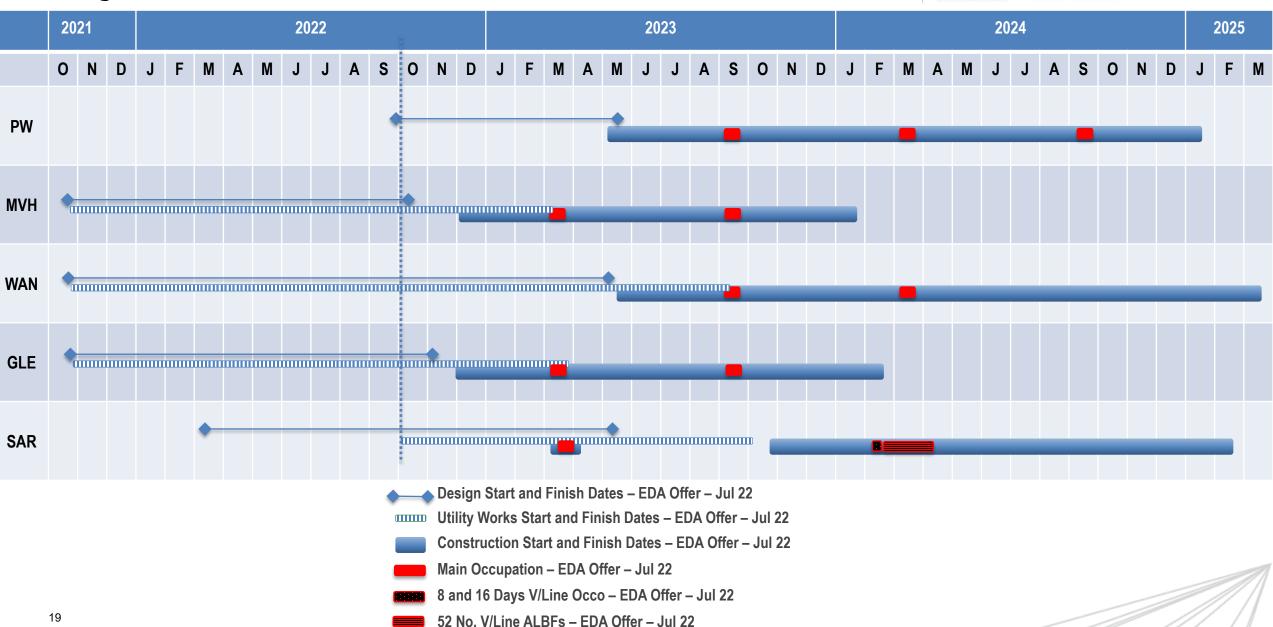
**BEVERIDGE TO ALBURY** 

## **Project timeline**









## **Utility Relocation**







#### **Utilities to be Relocated**

Telstra – Under Track x3

Town Water – Under Tracks x3

Town Water – Town Mains approx. 1000m

Town Sewer – 80m PVC pipe, 6x Sewer pits

HV Power - Under Tracks

HV Power – New Power Pole and House connections

VLine Communication – Under Tracks

| Utility Type                     | Electrical | Gas | Sewer | Telecom | Water | Total |
|----------------------------------|------------|-----|-------|---------|-------|-------|
| Decommission without replacement | 1          | 0   | 0     | 0       | 2     | 3     |
| Leave in situ - Monitor          | 0          | 0   | 4     | 3       | 0     | 7     |
| Leave in situ – No works         | 10         | 3   | 3     | 21      | 12    | 49    |
| Not assessed                     | 3          | 0   | 1     | 0       | 1     | 5     |
| Protection                       | 0          | 0   | 0     | 1       | 0     | 1     |
| Minor adjustment                 | 0          | 0   | 1     | 0       | 3     | 4     |
| Relocation                       | 5          | 1   | 1     | 13      | 6     | 26    |
| Grand Total                      | 19         | 4   | 10    | 38      | 24    | 95    |



Glenrowan Utility Relocation Overview

### Corridor Wide Works – 42km to 301Km

#### **OVERHEAD UTILITIES**

- LV & HV Distribution overhead wires and poles (LV, 12.7kV, 22kV, and 66kV).
- Overhead telecommunications cables & Signalling
- Treatments: Remove, Relocation, Upgrade, Underbore.
- 71 x Pole Replacements
- 30 x Overhead Relocations
- 34 x Underground Relocations
- 118 Sites Total

#### **TRACK SLEW**

- Track slew of ~ 4km
- Treatments: Combination of slews <100mm, btw 100mm-300mm &</li>
   >300mm

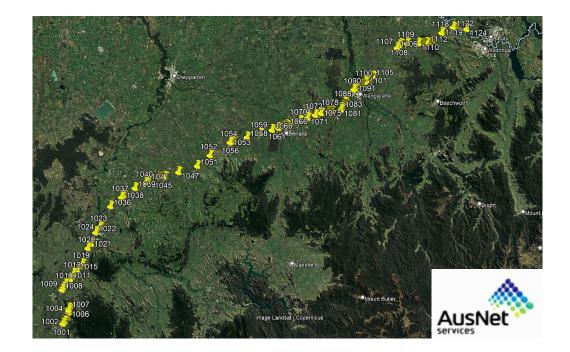
#### **SIGNALLING**

- 11x Signals
- Treatments: Upgrade, replace or remove.







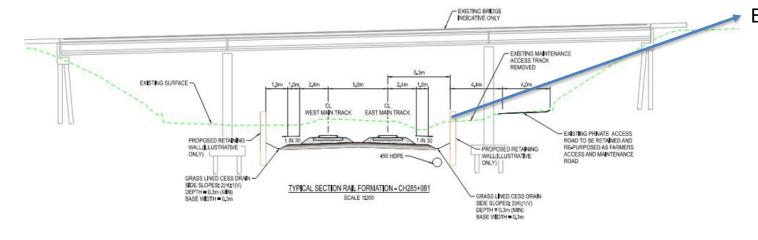


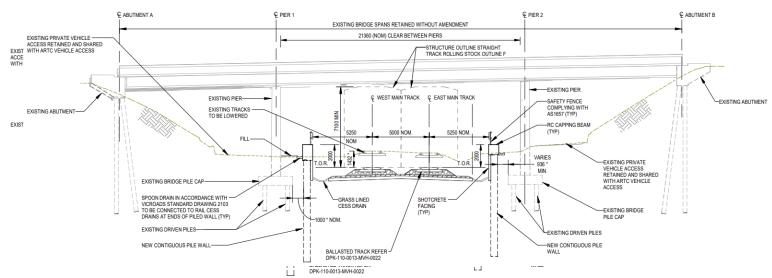
## **Murray Valley Highway**











Track Lowering

#### **Bridge Collision Protection Walls**

| Description          | Qty     |
|----------------------|---------|
| RCP pipes            | 200 lm  |
| CSR Signaling        | 550 lm  |
| 600mm diameter piles | 82 ea   |
| Swale drains         | 1200 lm |
| Beaching rock        | 100 m3  |
| Clay backfill        | 600 m3  |
| Track to be lowered  | 463 lm  |
|                      |         |

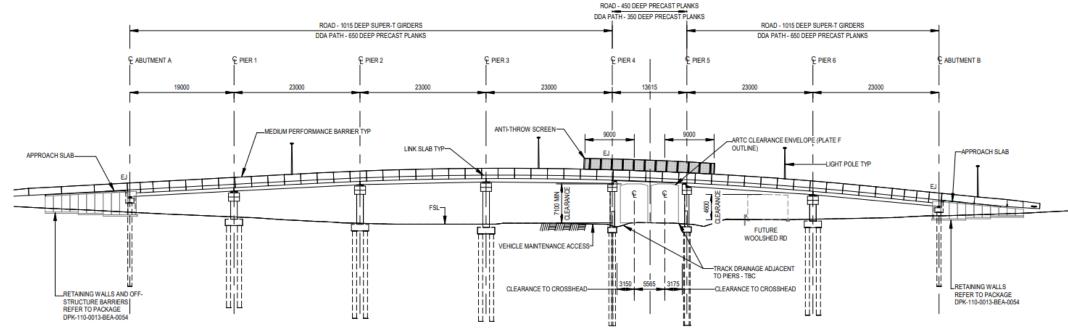


### **Glenrowan**



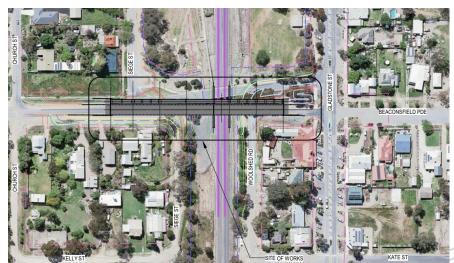






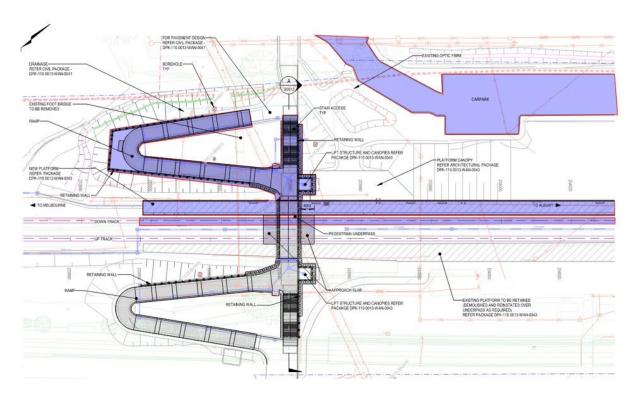
| Description      | Qty      |
|------------------|----------|
| Drainage Pipes   | 820 lm   |
| Pavement         | 6,200 m2 |
| Piles            | 66 No    |
| Bridge abutments | 2 No     |
| Piers            | 6 No     |

| Description      | Qty    |
|------------------|--------|
| Precast planks   | 27 No  |
| Super-t girders  | 24 No  |
| Deck concrete    | 1900m3 |
| Throw screens    | 400 lm |
| Deflection Walls | 4 No   |



## **Wangaratta – Station Precinct**

Construction of: Platform & Carpark Ramp & Stairs for underpass Lift Shaft





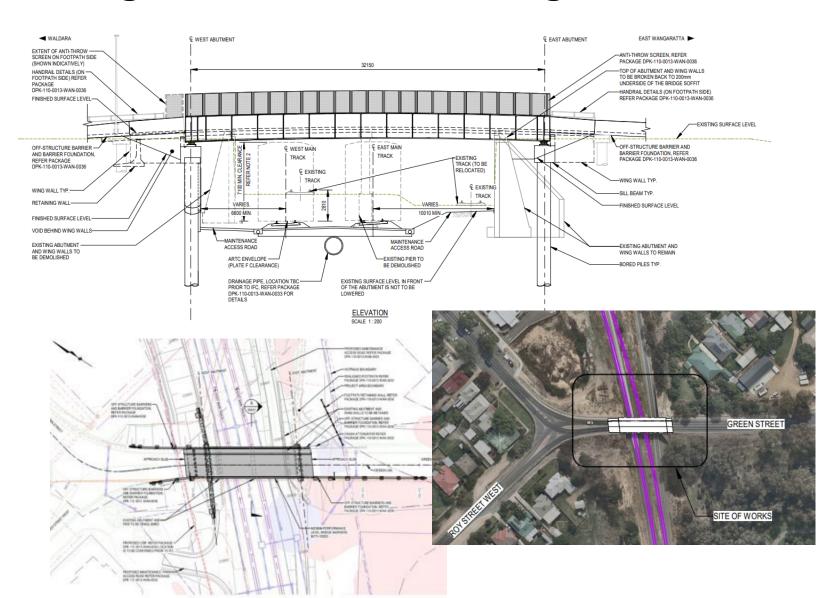






|   | Number | Area (m2) | Volume<br>(m3) |
|---|--------|-----------|----------------|
| Bored & CFA Piles   |        |           |                |
| RW1 bored pile  | 52     | -         | 132.45         |
| RW2 bored pile  | 25     | -         | 85.61          |
| RW3 bored pile  | 27     | -         | 128.47         |
| RW4 bored pile  | 27     | -         | 128.47         |
| Capping beams   | -      | 33        | 33             |
| Retaining wall panel                                      | -      | -         | App 400        |
| 250 thk Bottom Slab                                       | -      | 92.97     | -              |
| 200 thk precast<br>panels with 300 thk<br>in-situ topping | -      | 127.27    |                |

## **Wangaratta – Green Street Bridge**











| East Abutment                   |        |           |             |  |
|---------------------------------|--------|-----------|-------------|--|
|                                 | Number | Area (m2) | Volume (m3) |  |
| Bored Piles                     | 4      | -         | 92.74       |  |
| Wing Walls                      | 2      | 20.58     | 8.23        |  |
| Fender Wall                     | -      | 8.75      | 3.5         |  |
| Bearing Pedestal                | 2      | 1.10      | 0.17        |  |
| 50 THK Blinding<br>Concrete TYP | -      | 57        | 2.85        |  |

| West Abutment                   |        |           |             |  |
|---------------------------------|--------|-----------|-------------|--|
|                                 | Number | Area (m2) | Volume (m3) |  |
| Bored Piles                     | 17     | -         | 250.23      |  |
| Wing Walls                      | 2      | 25.04     | 10          |  |
| Fender Wall                     | -      | 6.60      | 2.30        |  |
| Bearing Pedestal                | 2      | 1.10      | 0.17        |  |
| 50 THK Blinding<br>Concrete TYP | -      | 67.29     | 3.36        |  |
| Shotcrete Wall                  |        | 158.35    | 60.58       |  |
| Retaining Wall                  | 4      | -         | 5           |  |

#### **Drainage Pipe**

Total length (m) 2977.50

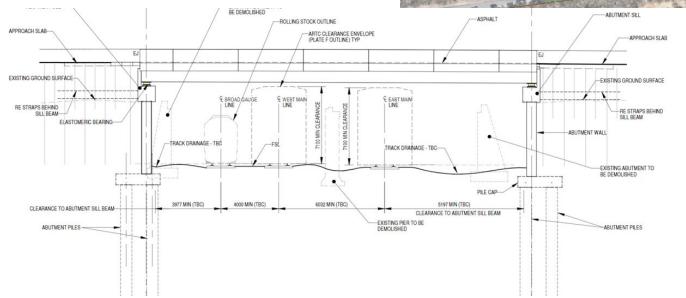
## **Seymour**











| Key Facts  |          |
|--|----------|
|  | Number   |
| Drainage Pipes   | 600lm    |
| Cess Drains and Contrete Drains  | 2,400lm  |
| Import Earthworks Material   | 80,000m3 |
| MP barriers  | 400lm    |
| Bored Piles  | 50no     |
| Super T Beams  | 7no      |
| RE Walls   | 700m2    |
| FRP works (capping beams, blade walls, bridge deck, abutment structure | 500m3    |

## Indicative opportunities for local and indigenous businesses





- Access equipment hire / rental services
- Asbestos removal
- Concrete cutting
- Concrete supply
- Contamination testing
- Demolition works
- Design services temporary works
- Dilapidation surveys
- Drainage
- Early utility relocations
- Earthworks
- Electrical works stations and other

- Electrical subcontracts (HV, LV, power connection facility)
- Feature survey
- Form, Reo, Pour (FRP) bridge works
- Geotechnical investigations
- Geotechnical testing
- Jet grouting
- Labour hire
- Non-destructive digging / Ground penetrating radar
- Non-contestable utility relocations
- Piling services
- Plant hire (wet and dry)
- Quarry materials

- Rail safeworking
- Retaining walls concrete
- Scaffolding
- Signage (temporary and permanent)
- Signalling support services
- Site establishment
- Site offices and ablution facilities
- Soil nailing
- Street sweeping
- Survey
- Traffic management
- Temporary fencing
- Temporary traffic barriers
- Waste disposal and cartage

## **Next steps**







| STEPS  | PROCESS                                  | DESCRIPTION   |
|--------|--|---|
| STEP 1 | Registration of Interest (ROI)           | Prospective subcontractors / suppliers are encouraged to: - create a company profile on ICN Gateway, and - register their interest in work packages communicated on ICN Gateway.                              |
| STEP 2 | Evaluation of ROI                        | McConnell Dowell evaluate responses to work package expressions of interest questionnaires to determine the prospective subcontractors / suppliers suitability to advance in the procurement process.         |
| STEP 3 | Shortlisting                             | McConnell Dowell develop a list of potentially suitable subcontractors / suppliers. Subcontractors / suppliers selected to progress to prequalification will be required to sign a confidentiality agreement. |
| STEP 4 | Prequalification                         | Businesses selected to prequalify will be required to provide further information to determine suitability for inclusion on the bidders list.   |
| STEP 5 | Request for Quote / Proposal /<br>Tender | Businesses chosen to participate in this stage of the process will be provided Request for Quote (RFQ), Request for Proposal (RFP) or Request for Tender (RFT) documentation.                                 |
| STEP 6 | Evaluation                               | Based on responses to RFQ / RFP / RFT McConnell Dowell's procurement team will determine which business is recommended for contract award.  |
| STEP 7 | Award                                    | Successful subcontractors / suppliers will be required to enter into a contractual arrangement with McConnell Dowell prior to commencing any work.  |

#### **Environmental considerations**







We're working in some exciting but environmentally sensitive areas. Some key environmental considerations are:

#### Noise and Vibration:

Our works have potential to cause nuisance noise and vibration - we need to be respectful of our communities.

#### Flora and Fauna

Changes to the current native vegetation due to works - we need to minimise impact where possible and stick to clearing limits

#### Demands on water

Construction will require water. We need to be sensible in our water use and source nonpotable water where possible.

#### SUSTAINABILITY **FUNDAMENTALS**

We act today with the future in mind. We do this with the objective of avoiding and mitigating harm to the environment, contributing to and enhancing the resilience of the communities in which we operate, and creating shared value for our customers and our people. Infrastructure Sustainability is infrastructure that is designed, constructed and operated to optimise social, economic and environmental outcomes for the long term

Implementation of the following Sustainability Fundamentals helps deliver on our Sustainability commitments within our McConnell Dowell Policy and Group Sustainability Strategy.



- 1. Leadership
- Strong and committed leadership toward sustainability by all Senior Leaders within our organisation
- Share sustainability learnings within and outside the business Sustainability risks and opportunities are assessed at
- project management level 2. Sustainable Procurement Sustainability is considered in procurement of goods and
  - Support circular economy principles by purchasing
  - Goods and services are procured locally and ethically



- Carbon Footprint
- Use the most efficient plant and equipment when undertaking works Consider use of renewable energy
- Explore opportunities to reduce our embodied carbon in the materials we use to construct



- 4. Diversity and Inclusive Workforce
- Implement our Diversity and Inclusion Policy

5. Target Zero Waste

Adhere to the waste

management hierarchy

Minimise waste stream

contamination to ensure

successful recycling

from landfill

Aim to divert greater than

90% non-hazardous waste

Diversity and Inclusion Training conducted across all projects



Water Wise Implement initiatives to reduce

where feasible

Implement our

potable water consumption Explore options to use non-potable wate

Construction motto and

continue to challenge the

status quo and innovate

6. Lasting Positive Legacies

(Proving a Better Life)

7. Good Neighbours

Keep the community informed

of the project in a timely and transparent manner

Learn about the community's

Environmental Protection

Investigate opportunities to

Environmental Green Rules

Implement best practice measures

to mitigate environmental impacts

enhance environmental outcomes

Implement our Stakeholder

priority issues and pursue initiatives that support the community

Beyond the asset being built, consider

implementation of other positive legacies

(social or environmental) that add value

to the communities in which we operate

Local employment, upskilling, traineeship

opportunities should be maximised





#### ENVIRONMENTAL **GREEN RULES**

These rules are in place to minimise our impact on the natural environment and local community They MUST be followed at all times. Any issues can be discussed with your environmental team at any time.



Spill kits appropriate for the location must be fully stocked, ready and available for use near all work fronts. Report and clean up any spills.



#### 6. Noise & Vibration

Know where the nearest neighbours and sensitive receptors are. Keep loud and ongoing noise to a minimum, and get permission to work outside of normal hours. Minimise vibration intensive activities where possible.



#### 2. Soil & Frosion

Erosion and sediment controls must be in place before starting clearing or earthworks (or as soon as practical within the same shift) and stay in place (and maintained) until area



#### 7. Hazardous Materials Store hazardous substances in a

secure bunded and segregated area. Return them after use and understand the SDS requirements. Any decanting must be carried out over a bunded area, and the containers must be



#### 3. Plant & Equipment

Conduct premobilisation- and prestart inspections each shift on all plant and equipment. Make sure drip trays or bunds are used for a stationary plant where practical.

Refuelling must be carried out



#### 8. Dust & Emissions Make sure no dust, smoke

or odour leaves the site boundaries - notify immediately if it does occur. Reduce emissions from plant and equipment by turning them off when not in use.



Make sure all waters are protected and know where nearby sumps drain to. No discharge to occur offsite unless it is within allowable limits and a water discharge permit is in place.



#### 9. Fauna & Flora

Do not harm or kill animals Protect all vegetation unless there is a vegetation disturbance permit in place. Prevent the spread or introduction of weeds, pests and diseases



#### 5. Archaeology & Heritage Ensure all known heritage items

are fully protected. Stop works. protect and notify immediately where a potential heritage site object is found.



#### 10. Waste and Recycling

Think about what you can reuse or recycle before disposing of it. Place waste in the correct bins and notify if recycling is not available. Use recycled water or materials where possible and permitted





## **Heritage considerations**

We're going to be working in areas with strong Australian heritage, both cultural and colonial.

To ensure we're respectful of heritage we will:

- Deliver Heritage Inductions for all workers
- Restrict access and activities in some areas
- Have in place a clear 'Unexpected finds' process
- Keep our contractors aware of any requirements, permits or other conditions they need to run their business.

Because of the importance of some of the sites, there will be inspections from authorities.













## **Benefits of a local and Indigenous supply chain and workforce**

- ARTC | INLAND
- M°CONNELL durecon

- Economic boost for local townships
- Local employment opportunities
- Assisting local and indigenous businesses to grow and prosper
- Local knowledge incorporated into the project
- Good feeling in the local communities where we work



SAFETY& CARE
HONESTY& INTEGRITY
CUSTOMER FOCUS
WORKING TOGETHER
PERFORMANCE EXCELLENCE

## **Community Leaving a positive lasting legacy**

- ✓ We will seek to partner and support the local communities where we work
  (involve schools, local community groups etc)
- ✓ We will minimise construction impacts in the communities where we work
- ✓ We will treat people and properties with respect
- ✓ We will listen, record and respond to community concerns in a timely and professional manner
- ✓ We will not enter private property without official authorisation from the project
- ✓ We will communicate all community impacts well ahead of schedule









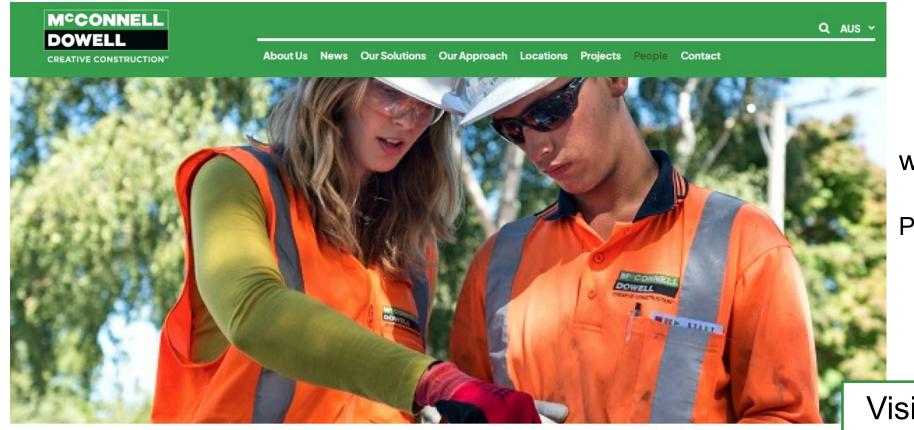


## **Working with us**









www.mcconnelldowell.com

People > Career Opportunities

## Visit our Careers page or email Andrew Collier, HR Manager

andrew.collier@mcdgroup.com

## Career Opportunities

If you'd love a career with a business that appreciates the unique capabilities and perspectives of each employee, and which values the safety and well-being of its people and the environment, then check out our many opportunities below.

### **Home without Harm**





### SAFETY **GOLDEN RULES**



#### START SAFE

Always check the job is safe - where applicable. complete a START Card



#### **DRIVING VEHICLES**

Always plan your trip to allow time to arrive safely and follow all road rules



#### 2. CRANES & LIFTING

Always keep clear of exclusion zones, suspended loads and lifting operations



#### ENERGISED EQUIPMENT

Always isolate all energy sources and verify the isolation is effective before working on



#### 3. WORKING AT HEIGHT

Always ensure there is a fall protection, prevention or arrest in place before working at height, including when working



#### ELECTRICAL EQUIPMENT

Always check electrical equipment is free of faults, tagged according to date schedule and leads are off the ground and clear of water and traffic paths



#### 4. WORKING NEAR MOBILE PLANT

Always keep clear of moving plant and don't enter the operating zone without a positive signal from the operator



#### TRENCHING & **EXCAVATION**

Always check trenches over 1.5 m are battered, benched or shielded before entering and barricade and sign open



020-C00L100 Pey 3 310ct 2014

#### 5. OPERATING MOBILE PLANT

Always advise others working nearby before you start operating mobile plant and stop others when it is safe for



#### 10. CONFINED SPACE

Always ensure only trained personnel enter a confined space after atmosphere is safe and the required rescue equipment and a stand-by sentry is in place.





## McConnell Dowell's Golden Rules are non-negotiable

Safety is at the forefront of our culture and our principal goal is to achieve our value of 'Home without Harm'.

Because we care about our people and their safety, The McConnell Dowell Group has developed a set of Golden Rules.

These rules are designed to protect you from serious consequences and must be followed by everyone at all times.

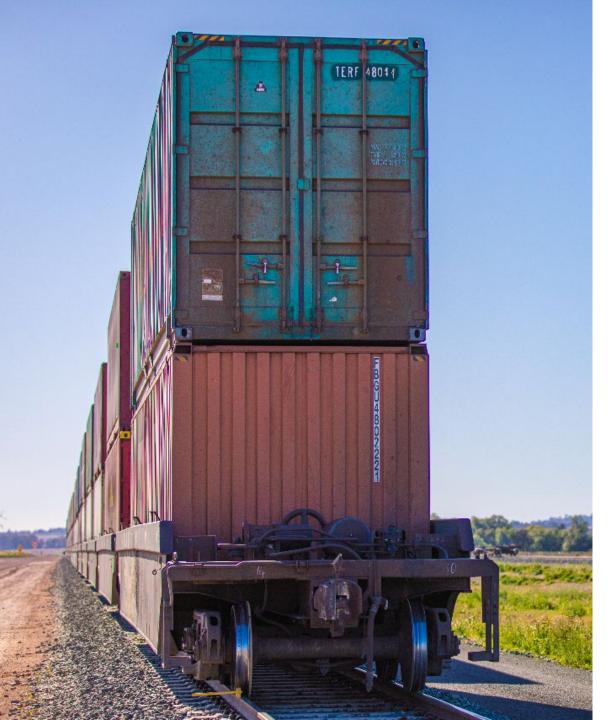
## **Commercial Arrangements**







- McConnell Dowell standard suite of bespoke Supply Agreements, Minor and Major Work Subcontracts;
- Payment terms are typically monthly in accordance with bespoke agreements;
- Draft Agreements provided as part of the tender process for your review;
- Payment periods are typically 30 to 45 days from submission of Payment Claim, Invoice, RCTI, Certificate.





## Inland Rail – Beveridge to Albury Tranche 1 Grant Jennings, ICN Victoria





### **ICN** Victoria

1

Who are we / What do we do

2

Local industry engagement

3

Contacts and channels

# Helping local win



#### Who are we and what do we do

ICN Victoria, supported by the Victorian Government, works to maximise local industry engagement and local job opportunities



ICN has been active in Victoria for nearly four decades supporting local industry along with being a trusted government procurement partner, administering the Local Jobs First Policy and supporting the social and sustainable framework



Our aim is to deliver Victorian employment and socioeconomic outcomes and make a difference by engaging local industry and stimulating local connections and jobs

We help local win!



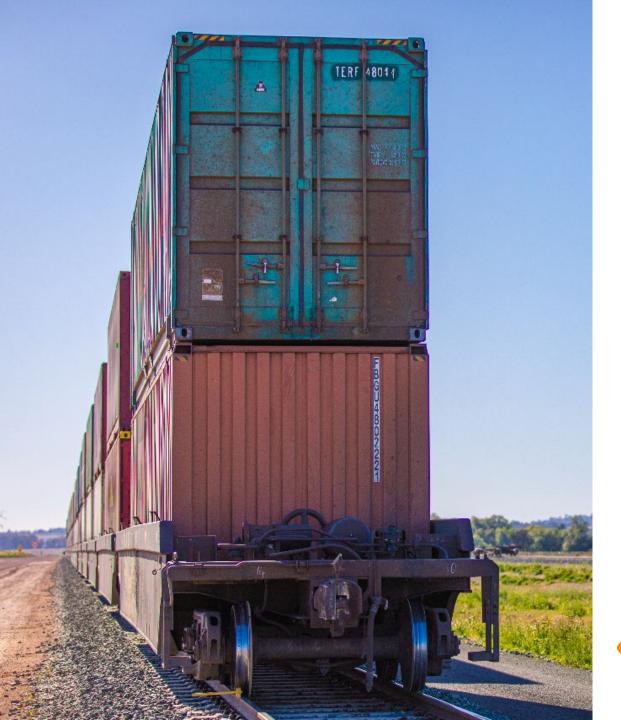
### Local impact



- Networking SMEs and project owners
- Connections, work packages, EOIs
- Import replacement
- Local capability data
- Supply Chain mapping/resilience
- Industry innovation







## Victorian rail project examples

#### **CASE STUDY**

**Coleman Rail Shepparton Line Upgrade** 

**Metro Tunnel** 

Murray Basin Rail Project - Stage 1

**Suburban Rail Loop** 



### Work Packages



#### **CIVIL**

Design Services - Temporary Works
Drainage - Supply Only
Piling Services
Retaining Walls - Concrete

PREVIOUS PACKAGES



#### **ENABLING**

Fencing (Temporary)
Site Establishment
Survey
Site Offices and Ablutions Facilities
- Supply and/or Install



#### **MATERIAL**

Concrete Supply Quarry Materials



PLANT AND EQUIPMENT

Access Equipment Hire/Rental Services
Plant Hire - Wet and Dry Hire
Signage (Temporary and Permanent)
Street Sweeping
Traffic Barriers (Temporary) - Concrete, Plastic, Steel



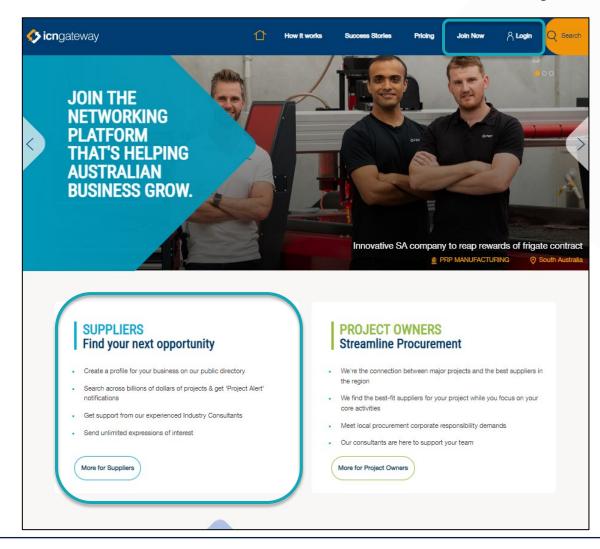
#### MISCELLANEOUS

Labour Hire Rail Safeworking



icnvic.org.au

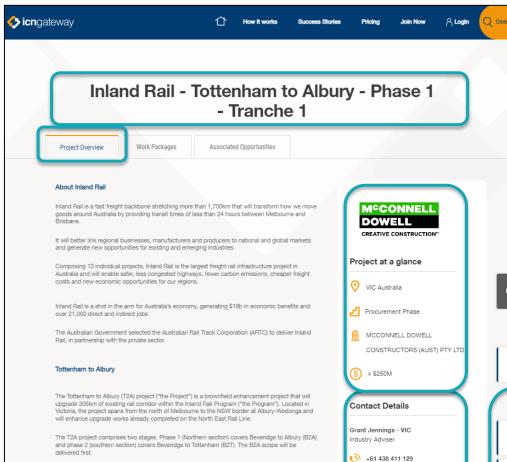
## How to connect – ICN Gateway



**URL**:

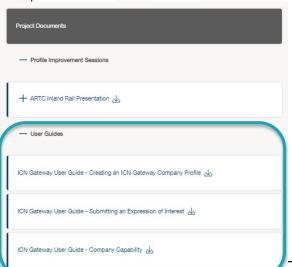
https://gateway.icn.org.au

### How to connect – ICN Gateway



Send email enquiry

- Website <a href="https://inlandrailt2a.icn.org.au">https://inlandrailt2a.icn.org.au</a>
- Information about the project, contractor and compliance requirements
- Importantly, communicates details for current work packages



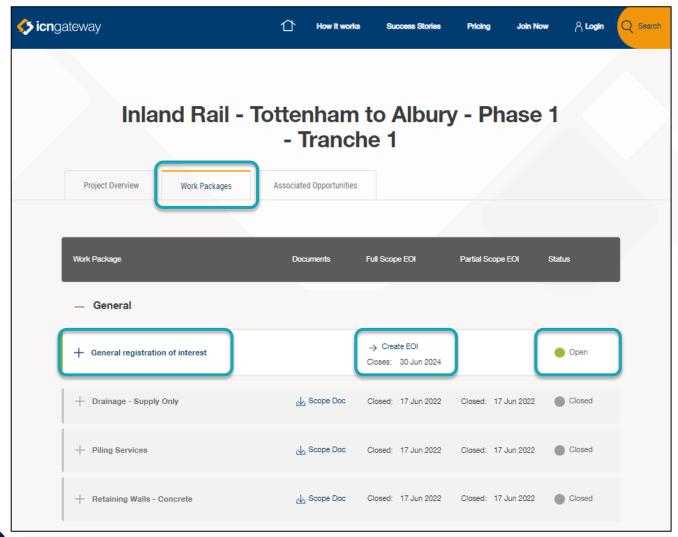


The B2T phase is temporarily on hold while a study is undertaken to determine the location.

configuration, and timing of a new intermodal terminal in Melbourne.

Due to its scale and complexity, this project is broken into two phases:

### How to connect – ICN Gateway



- •Select the (+) sign to view additional detail about the work package
- •Click 'Create EOI' to register interest
- Prompted to respond to questions
- •Registrations of interest provided to ARTC and proponents / contractors
- •Contact the ICN consultant listed on the webpage for assistance



## Key contacts and channels:



Grant Jennings

Manager – Industry Engagement
gjennings@icnvic.org.au

0438 411 129

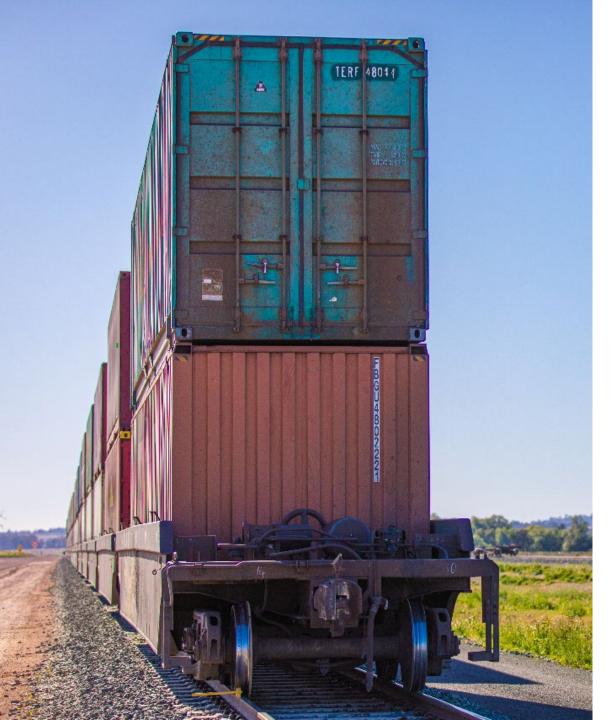






icnvic.org.au







# Thank you



# Q&A





#### Supplier enquiries

Email: <u>irsuppliers@artc.com.au</u>

#### **Employment enquiries**

Email: <u>irrecruitment@artc.com.au</u>

#### **Community enquiries**

For questions about Inland Rail in your area, call 1800 732 761 or email: <a href="mailto:inlandrailenquiries@artc.com.au">inlandrailenquiries@artc.com.au</a>

# THANK YOU