Industry Briefing
Woolgoolga to Ballina Upgrade
Industry Briefing
Welcome

- Acknowledgement of Country
- Housekeeping and in case of emergency

Soft soil (Wave 2) Whytes Lane to Pimlico Road
Industry Briefing

Agenda

1. Introduction – Bob Higgins (GM Pacific Highway Office, Roads & Maritime Services)
2. Project Update – Christopher Wilkinson (Project Director, Pacific Complete)
3. Upcoming Contracts – Paul Milne (Construction Director, Pacific Complete)
   Nathan McGuire (Procurement Leader, Pacific Complete)
4. Industry Participation – Marnie Procter (Communications Lead, Pacific Complete)
5. Conclusion and Q&A – Christopher Wilkinson (Programme Director, Pacific Complete)
1. Introduction

Bob Higgins
General Manager, Pacific Highway Office, Roads and Maritime Services
Project Update

RMS Activities

• Ballina Koala Plan
• Workforce Resource Study
• Accommodation Study
• Pavement Re-use
• Deferred Works
2. Project Update

Christopher Wilkinson
Project Director, Pacific Complete
Woolgoolga to Ballina

Project Update

- Significant progress to date:
  - More than 150 contracts exist for construction works and consultants
  - 64 contracts have been awarded
  - 17 contracts are out to tender
  - 60% or 7.5 million m³ of the total earthworks will have been procured by June 2016
- Mainline construction work tenders to be issued by August/September 2016
- Project Environmental Management Plan and Construction Environment Management Plan approved
- Aboriginal Participation Plan target of 1.5% being finalised
Project Update

Works to Date

- Detailed Design
- Waves 1 to 4 procured and now under way
- Harwood Bridge preferred tenderer announced
- Utility diversions
- Environment consultancy
- Geotechnical field investigations
- Bridge piling ROI
- Precast bridge elements ROI
- Nest boxes
Project Update
Out To Tender

- Wave 5A, 5B and 5C (Award May/June)
- Richmond River ROI (Closed Early April) subject to Ballina Koala Plan
- Tabbimoble Bridge Works (Award June)
- Early Works Temporary and Permanent Diversion Lanes (Award July)
- Site Compounds (Award June)
- Dilapidation Survey (Award June)
- Quality Assurance and Technical Survey (Award June)
- Lab Testing (Award July)
- Translocation (Award May)
3. Upcoming Contracts
Paul Milne (Construction Director, Pacific Complete)
Nathan McGuire (Procurement Leader, Pacific Complete)
Woolgoolga to Ballina

Upcoming Contracts – Key Details

More than $1b of contracts to be tendered between June and December 2016. Pacific Complete is in the process of setting up a number of enablers for main construction works:

- Site compounds package currently out to tender
- Site wide bridge piling ROI under assessment
- Critical bridge precast elements to be free issued to bridge contractors
- Preferred supplier arrangements for onsite fuel, lab testing, material supply and concrete batch plants to be set up to benefit contractors

These arrangements will allow contractors to mobilise quickly to site, de-risk early cash flow and start real construction earlier.
Enabling Works Contracts
Woolgoolga to Ballina
Enabling Contracts

Section 5 – Demolition and Remediation
Out to Tender June 2016
Contract Award Sept 2016
Estimated Value $5m-$10m
• Demolition and remediation of ‘Old RMS Depot’ at Maclean
• Demolition and remediation of ‘United Service Station at Maclean

At House Noise Treatments (3 Contracts)
Out to Tender From July 2016
Contract Award From October 2016
Estimated Value: $0.5m-$1m per contract
• Architectural
• Noise walls and barriers
• Ancillary site local treatments

Geotechnical Instrument Reading
Out to Tender May 2016
Contract Award August 2016
• Estimated Value: $1m-$3m
• Surveillance of the installation of the geotechnical monitoring instruments
• Monitoring, data collection and reporting of the settlement for the works

Section 10 – Demolition
Out to Tender June 2016
Contract Award Sept 2016
Estimated Value: $0.5m-$1.5m
• Demolition of 16 residential properties along the alignment
• Minor tree clearing
Woolgoolga to Ballina
Enabling Contracts

### Soil Conservation

**Out to Tender** May 2016  
**Contract Award** July 2016  
**Estimated Value:** $0.5-$1m

- Review of construction sediment and erosion control methods

### Site Wide Ecology

**Out to Tender** May 2016  
**Contract Award** July 2016  
**Estimated Value:** $1.5m-$2.5m

- Construction and operational monitoring of threatened fauna species

### Section 10 – Koala Revegetation

**Out to Tender** May 2016  
**Contract Award** July 2016  
**Estimated Value:** $2m-$3m

- Establishment of 130 hectares of Koala habitat revegetation
- Creating a new habitat for koalas;
- Includes plant supply, planting and maintenance of new habitat
- Subject to Ballina Koala Plan requirements

### Section 10 – Koala Fencing

**Out to Tender** June 2016  
**Contract Award** October 2016  
**Estimated Value:** $2m-$3m

- 10km of various fencing types
- Culverts
- Clearing and Grubbing
- Subject to Ballina Koala Plan requirements
Woolgoolga to Ballina
Civil Works Contracts

Section 3 – Main Civil Works
Out to Tender October 2016
Contract Award April 2017
Construction duration: 29 Mths
Estimated Value: $150m-$180m
Scope:
• Works include a 35km section of bulk earthworks and drainage
• Including minor flexible pavements works for intersections and local roads
• Fencing and property adjustments
• Fauna connectivity structures
• Excludes pavement works (apart from minor flexible pavements)

Section 4 – Main Civil Works
Out to Tender October 2016
Contract Award March 2017
Construction duration: 20 Mths
Estimated Value: $60m-$80m
Scope:
• Works include a 13km section of clear and grub, bulk earthworks and drainage
• Including minor flexible pavements works for intersections and local roads
• Interchange construction
• Bridge and property demolition
• Utility diversions, fencing and property adjustments
• Fauna connectivity structures
• Excludes pavement works (apart from minor flexible pavements)
Woolgoolga to Ballina
Civil Works Contracts

Section 5 – Civil Works & Pavements
Out to Tender October 2016
Contract Award March 2017
Construction duration: 31 Mths
Estimated Value: $120m-$150m
Scope:
• Works include 14km online highway construction
• Including clearing and grubbing, fencing and property adjustments
• Both flexible and rigid pavements works for entire section
• Secondary soft soil treatment
• Earthworks and drainage works
• Intersection up-grades
• Road finishes such as signage, safety barriers, lighting, road furniture, etc.

Section 6 – Civil Works & Pavements
Out to Tender October 2016
Contract Award March 2017
Construction duration: 29 Mths
Estimated Value: $100m-$125m
Scope:
• Works include 15km online highway construction
• Including clearing and grubbing, drainage, earth works
• Rigid pavement works for entire section
• Clearing and grubbing, fencing and property adjustments
• Earthworks and drainage works
• Intersection upgrades
• Fauna connectivity structures
• Road finishes such as signage, safety barriers, lighting, road furniture, etc.
Woolgoolga to Ballina
Civil Works Contracts

Section 8/9 – Broadwater-Woodburn Service Road
Out to Tender: June 2016
Contract Award: November 2016
Construction duration: 12 Mths
Estimated Value: $25m-$35m
Scope:
- Works include construction of a new 3.5km section of service road
- Including clearing and grubbing, drainage, earth works
- Flexible pavement works for the entire road
- Utility diversions, fencing and property adjustments
- Fauna connectivity structures
- Sugar conveyer structure at Broadwater
- Road finishes such as signage, landscaping, safety barriers, lighting, road furniture, etc.

Section 8/9 – Main Civil Works
Out to Tender: September 2016
Contract Award: January 2017
Construction duration: 33 Mths
Estimated Value: $100m-$125m
Scope:
- Works include a 20km section of clearing and grubbing, drainage, earth works and sealing
- Including utility diversions, fencing and property adjustments
- Fauna connectivity structures
- Road finishes such as signage, landscaping, safety barriers, lighting, road furniture, etc.
- 3 no. overbridge structures
- Some pavements at local intersections
- Excludes mainline pavements
Woolgoolga to Ballina
Civil Works Contracts

Section 10 – Main Civil Works
Out to Tender September 2016
Contract Award February 2017
Construction duration: 29 Mths
Estimated Value: $80m-$110m
Scope:
• Works include clear and grub, erosion sediment control, bulk earthworks, drainage, across a 12km section
• Retaining wall structures
• Property adjustments and fencing
• Culvert structures
• Excludes pavement works

Section 11 – Main Civil Works
Out to Tender September 2016
Contract Award December 2016
Construction duration: 23 Mths
Estimated Value: $25m-$50m
Scope:
• Works include clear and grub, erosion sediment control, bulk earthworks, drainage, and Chert pavement works across a 5km section
• Includes Whytes Lane overpass
• Property adjustments
• Excludes pavement works
Vertical Scope Contracts
Vertical Scope Contracts

Section 7 – Vertical Contract
Out to Tender: September 2016
Contract Award: March 2017
Construction duration: 30 Mths
Estimated Value: $90m-$120m
Scope:
- Works include 14km online highway construction
- Including clearing and grubbing, drainage, earth works
- Rigid pavement works for entire section and potentially minor flexible pavement works
- Property demolition
- Utility diversions, fencing and property adjustments
- 2 no. bridge structures
- Fauna connectivity structures
- Road finishes

Section 11 – Pimlico to Teven – Stage 3 Works
Out to Tender: June 2016
Contract Award: October 2016
Construction duration: 22 Mths
Estimated Value: $50-$65m
Scope:
- Works include the construction of 1.8km section of southbound mainline highway
- Including clearing and grubbing, drainage, earthworks and flexible pavements.
- Demolition of two bridges
- Construction of new bridges over Emigrant and Duck Creek
- Concrete injection columns and driven concrete columns for soft soil treatment.
- Road finishes
Bridge Works Contracts
## Woolgoolga to Ballina Bridge Works Contracts

### Section 3 – Southern Bridges
- Out to Tender: August 2016
- Contract Award: February 2017
- Construction duration: 18 Mths
- Estimated Value: $20m-$30m

**Scope:**
- 13 bridges, including 4 No. overpasses over 11km
- Total of 88 spans, generally 2-4 spans per bridge
- 5 x super-T and 8 x plank bridges
- 3 No. bridges with 140m to 350m total length
- Excludes pavements, precast supply and piling

### Section 3 – Northern Bridges
- Out to Tender: August 2016
- Contract Award: February 2017
- Construction duration: 18 Mths
- Estimated Value: $25m-$35m

**Scope:**
- 26 bridges (no overpasses) over 9km
- Total of 68 spans, generally 1-3 spans per bridge
- 12 x super-T and 14 x plank bridges
- Max bridge length of 90m
- Excludes pavements, precast supply and piling
Woolgoolga to Ballina
Bridge Works Contracts

Section 3/4 – Bridges
Out to Tender: October 2016
Contract Award: May 2017

Construction duration: 15 Mths
Estimated value: $20m-$30m

Scope:
• 18 bridges, including 4 No. overpasses over 16km
• Total of 40 spans, generally 1-2 spans per bridge
• 12 x super-T and 6 x plank bridges
• 2 No. bridges with 5-6 spans, 75m to 90m total length
• Excludes pavements, precast supply and piling

Section 4 – Shark Creek Bridge
Out to Tender: October 2016
Contract Award: May 2017

Construction duration: 15 Mths
Estimated value: $10m-$20m

Scope:
• Single super-T bridge
• Total of 52 spans
• Total length of 870m
• Excludes pavements, precast supply and piling
Woolgoolga to Ballina
Bridge Works Contracts

Section 5 – Early Bridges
Out to Tender: September 2016
Contract Award: April 2017
Construction duration: 24 Mths
Estimated Value: $15m-$25m
Scope:
- 11 bridges (no overpasses) over 10km
- Total of 74 spans, average of approx. 7 spans per bridge
- 1 x super-T and 10 x plank bridges
- Max bridge length of 260m, generally in 60m to 200m range
- 1 x bridge with marine based scope of work at Clarence River North Arm, 8 spans with super-T girders
- Excludes pavements, precast supply and piling

Section 5 – Later Stage Bridges
Out to Tender: November 2016
Contract Award: May 2017
Construction duration: 12 Mths
Estimated Value: $15m-$25m
Scope:
- approx. 12 km
- 9 bridges, including 3 No. overpasses
- Total of 25 spans, generally 1-3 spans per bridge
- 6 x super-T and 3 x plank bridges
- 1 No. bridge with 220m total length
- Excludes pavements, precast supply and piling
### Woolgoolga to Ballina Bridge Works Contracts

#### Section 8/9 – Bridges
- **Out to Tender:** July 2016
- **Contract Award:** February 2017
- **Construction duration:** 18 Mths
- **Estimated Value:** $20m-$30m

**Scope:**
- 20 bridges (no overpasses) over 20km
- Total of 50 spans, generally 1-2 spans per bridge
- 3 No. bridges with 80m to 150m total length (5-6 spans)
- Excludes pavements, precast supply and piling

#### Section 10 – Bridges
- **Out to Tender:** September 2016
- **Contract Award:** March 2017
- **Construction duration:** 18 Mths
- **Estimated Value:** $10m-$15m

**Scope:**
- 23 bridges, including 3 No. overpasses over 11km
- Total of 26 spans, all bridges are 1-2 spans per bridge
- 3 x super-T and 20 x plank bridges
- Bridges are generally 20m long single span fauna crossings
- 3 No. double span bridges with approx. 60m total length
- Excludes pavements, precast supply and piling
Pavements & Materials Contracts
Woolgoolga to Ballina Pavement Works Contracts

Industry Dialogue Q3 2016
- Total 2.3 million m² pavement including 1.7 million m² of concrete pavement
- Pavement to form part of Civil Works Contracts Sections 5 to 7
- Procurement of quarry materials for pavements from project selected quarries
- Contractor to set up batching plants along alignment

Pavements – Section 3 & 4
Out to Tender Q4 2016
Contract Award Q2 2017
Estimated Value: $80m - $100m
- Works include construction of new rigid pavements to 49 km section of highway

Flexible Pavements – Section 8/9
Out to Tender Q4 2016
Contract Award Q2 2017
Estimated Value: $15m-$25m
- Works include construction of new flexible pavements to 20km section of highway

Pavements – Section 8 to 11
Out to Tender Q4 2016
Contract Award Q2 2017
Estimated Value: $80m-$100m
- Works include construction of new rigid pavements to 39km section of highway
### Woolgoolga to Ballina

#### Material Supply Contracts

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<th>Quarry Materials</th>
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#### Concrete Supply
- Approximately 80,000 cubic metres
- Single or multiple supply agreements
- Key criteria – 45 minutes transport time and max of 1.5 hours from batching to placing
- Able to use existing batching facilities where practical
- Four locations along route for setting up of batch plants as required

#### Quarry Materials
- Multiple contracts agreeing rates for the supply of quarry materials across the project
- Total quantity 5-8 million tonnes
- Quarries supply assigned to sections
- Pricing includes ex bin, delivery and testing. Payment via contractors
- Contractors may choose to test and arrange delivery of materials
4. Industry Participation

Marnie Procter (Communication Lead, Pacific Complete)
Woolgoolga to Ballina
Industry Participation

- Pacific Complete is committed to maximizing the participation of local business on the project
- Will host contact details of interested contractors, service providers and suppliers for the project
- All project contractors will be able to access the data
- Privacy acknowledgement
## Woolgoolga to Ballina Pacific Highway upgrade project

### Supply Chain Opportunities - Supply Chain Directory

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16.2544.0972 Pacific Highway Upgrade. Woolgoolga to Ballina - Early Works Wave 4

Contractor Business Name
00 000 000 000
Email Supplier
Address Line 1 Address Line 2 SUBURB 0 NSW

Contract Commencement Date: 10/03/2016
Initial Contract Period: 46 weeks

The scope of works involves enabling soft soil treatment works for the future northbound Pacific Highway (HW10, MC10), Woolgoolga to Ballina. Wave 4 covers one soft soil site known as:
• Soft Soil Site Section 0 – approximately 1.4 km, STN 129,500 to STN 130,500 north of Grafton (Tuckombil Canal).

The Head Contractor / Sub-Contractor must be pre-qualified with RMS in following criteria, applicable to both contracts.

Head Contractor:
• Roadworks Class R3 or higher
• Financial Level F20 or higher

Head Contractor / Sub-Contractor:
• Traffic Control – Registered in Category G: Traffic Control
• Earthworks and Drainage – Pre-qualified for Roadworks or registered in Category E: Earthworks or Category D: Drainage, respectively
5. Conclusion and Q&A

Christopher Wilkinson
Project Director, Pacific Complete
Packaging Strategy

Procurement Packaging Recap

- Pacific Complete will seek industry feedback regarding the bundling of the scopes of works for our contracts
- We will use standard RMS forms of contract with appropriate amendments for the role of the Delivery Partner
- Payment terms will be as per standard RMS conditions
- We encourage contractors to prequalify or register with RMS
- We are committed to fostering local industry participation and will work with our contractors to achieve this
## Woolgoolga to Ballina
### Out to Tender - Summary

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| INTEGRATED WORKS                      |     |     |     |     |      |     |     |     |     |     |     |     |     |
| Section 7 – Vertical Contract         |     |     |     |     |      |     |     |     |     |     |     |     |     |
| Section 11 – Pimlico to Teven – Stage 3 Works |     |     |     |     |      |     |     |     |     |     |     |     |     |

| BRIDGES                               |     |     |     |     |      |     |     |     |     |     |     |     |     |
| Section 8/9 – Bridges                 |     |     |     |     |      |     |     |     |     |     |     |     |     |
| Section 3 – Southern Bridges          |     |     |     |     |      |     |     |     |     |     |     |     |     |
| Section 3 – Northern Bridges          |     |     |     |     |      |     |     |     |     |     |     |     |     |
| Section 4 – Shark Creek Bridge        |     |     |     |     |      |     |     |     |     |     |     |     |     |
| Section 5 – Later Stage Bridges       |     |     |     |     |      |     |     |     |     |     |     |     |     |
| Section 5 – Early Bridges             |     |     |     |     |      |     |     |     |     |     |     |     |     |
| Section 10 – Bridges                  |     |     |     |     |      |     |     |     |     |     |     |     |     |
| Section 3/4 – Bridges                 |     |     |     |     |      |     |     |     |     |     |     |     |     |

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*every journey matters*
### Woolgoolga to Ballina
### Out to Tender - Summary

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### ENABLING

- Section 5 – Demolition and Remediation
- Section 10 – Demolition
- At House Noise Treatments (3 Contracts)
- Geotechnical Instrument Reading
- Soil Conservation
- Site Wide Ecology
- Section 10 – Koala Revegetation
- Section 10 – Koala Fencing
• Contract Enquires email: procurement@pacificcomplete.com.au
• General Enquires email: w2b@pacificcomplete.com.au
• Phone: 1800 778 900
• Visit: www.pacificcomplete.com.au