



Australian Government

**BUILDING OUR FUTURE**



# Bridge piece deliveries

## Woolgoolga to Ballina community update

Roads and Maritime Services | December 2017

The Australian and NSW governments are jointly funding the \$4.36 billion Woolgoolga to Ballina Pacific Highway upgrade. Roads and Maritime Services' Pacific Highway Project Office, Pacific Complete and its contractor partners are working together to deliver the project.

The Woolgoolga to Ballina Pacific Highway project team is building 170 bridges along the 155 kilometre alignment including the two main bridges over the Clarence River at Harwood and the Richmond River at Broadwater.

To build the bridges, the project team is transporting large concrete pieces along the Pacific Highway and some local roads. When the movement of the oversize and over mass deliveries are being carried out on extra large trucks there may be some delays and road users should consider this when they plan their journeys.

At the peak of construction it is expected there will be up to eight oversize and over mass trucks daily on the highway between Macksville and Brisbane.

We are committed to keeping our road users and local communities safe and informed about these vehicle movements.



New bridge over the Clarence River at Harwood.

## What is involved?

As part of the Woolgoolga to Ballina upgrade, we expect to deliver about 8500 pre-cast concrete pieces to different bridge sites during the next 18 months, some of which will have a pilot or escort vehicle.

We're building bridges at more than 100 locations, including major crossings of the Clarence and Richmond rivers and new or replacement bridges over existing creeks, underpasses and overpasses.

Each bridge consists of multiple pieces of concrete, called pre-cast elements, that are built off-site in specific yards and delivered to site on the back of extra large trucks known as oversize and over mass vehicles. These trucks can be up to 4.5 metres wide and up to 50 metres long.

The pre cast deliveries will be coming from both the north and south including yards in Macksville, Coffs Harbour and Brisbane.

## What is being delivered?

The pre-cast concrete bridge pieces include:

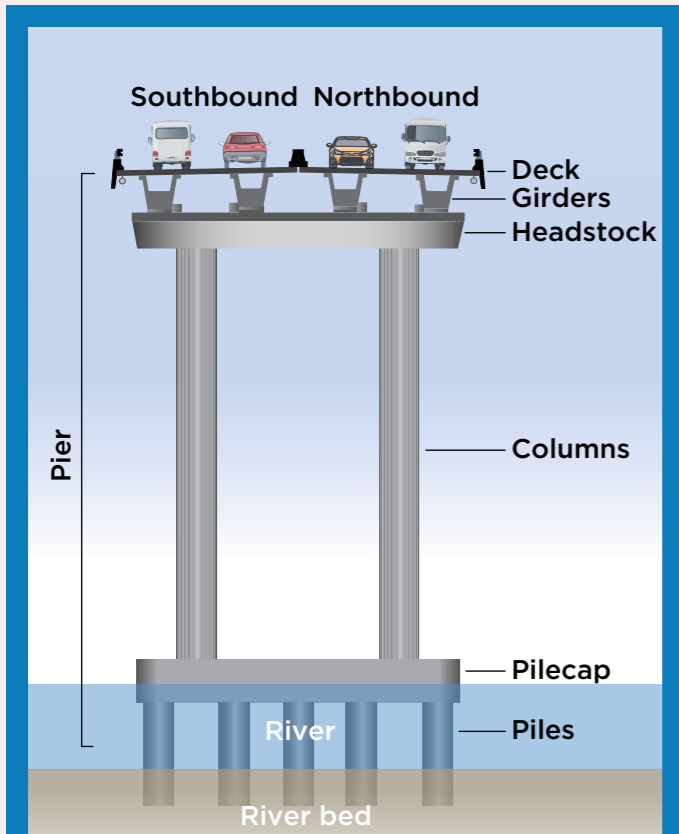
- More than 230 abutments (substructures that support the ends of a bridge)
- More than 240 headstocks (beams that sit on top of the bridge columns)
- More than one thousand Super-T girders, named after their size and shape, which support the planks
- More than 2200 winged planks that form the bridge deck
- More than 4700 parapets (a safety barrier installed on the edges of a bridge).

These are in addition to the 624 planks and 145 Super-T girders already installed in the Woolgoolga to Glenugie section of the upgrade.



An oversize and over mass vehicle is used to transport a Super-T girder





### Fast facts

Of the 8500 concrete pieces being used on the project:

- More than one thousand are bridge girders
- More than one thousand are being transported with a pilot or escort vehicle.



KEY	
	Woolgoolga to Glenugie upgraded road (complete)
	Glenugie to Maclean upgraded road
	Maclean to Devils Pulpit upgraded road
	Devils Pulpit to Richmond River upgraded road
	Richmond River to Pimlico upgraded road
	Pimlico to Ballina upgraded road
	Existing Pacific Highway
	M1
	Major town/centre

**21**  
Super-T girders from Brisbane



A Super-T girder being lifted into place on a similar project

**144**  
U-girders from Harwood



Super-T girders in place for a new bridge in Tabbimoble

**770**  
Super-T girders from Coffs Harbour

**234**  
Super-T girders from Macksville



New bridge being built over the Clarence River at Harwood

# Plan, Awareness, Caution

The safety of road users and workers is our number one priority and it is important to remember there will be delays. Before travelling we ask motorists to remember **P.A.C** to help make your journey as safe and efficient as possible.



## Plan

### Plan your journey.

Consider when you're travelling. Avoid delays by taking a break. Stay up to date with over size vehicle movements.



## Awareness

### Access project information.

Search for project information on our website. There are schedules and maps, including rest area maps, to help you plan.



## Caution

### Consider the safety of all road users and workers.

Be patient and don't take risks. Be prepared for occasional traffic queues.

Keep track of deliveries with real time mapping for our largest loads. Stay informed with our information video, *Sharing the road with wide and long loads*. Contact the project team if you would like to receive our weekly delivery updates via email.

For more information, visit [rms.nsw.gov.au/W2B](https://rms.nsw.gov.au/W2B)

The largest oversize and over mass loads are accompanied by an escort. If you see a pilot or escort vehicle, and the oversize and over mass load is approaching you:

- Remain calm
- Reduce your speed
- Move as far to the left as possible and prepare to stop if necessary
- Follow all instructions given by the traffic escort.

If you are approaching an oversize and over mass vehicle from the rear, slow down and prepare for slow-moving traffic queues.

Be patient. You will be given an opportunity to pass or overtake when it is safe. Do not risk overtaking an oversize and over mass load without ensuring the road ahead is clear, and be prepared for unexpected wind buffeting when overtaking.

# Plan

Plan your journey.

# Awareness

Access project information.

# Caution

Consider the safety of all road users and workers.

For more information,  
visit [rms.nsw.gov.au/w2b](http://rms.nsw.gov.au/w2b)

WOOLGOOLGA  
TO BALLINA  
UPGRADE



**pac**  
*Get home safely*

## For more information

For the latest information about oversized vehicle movements for the Woolgoolga to Ballina Pacific Highway upgrade:



Visit our webpage [rms.nsw.gov.au/w2b](http://rms.nsw.gov.au/w2b)

Register for SMS or email alerts by phoning the project team on:



Call 1800 778 900



Email [w2b@pacificcomplete.com.au](mailto:w2b@pacificcomplete.com.au)

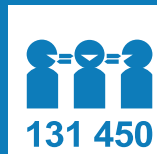


Look out for messaging on electronic roadside signage



Visit the Woolgoolga to Ballina Project information Centre at 21 Prince Street, Grafton.

We apologise for any inconvenience and thank you for your patience during this important work.



131 450

If you need help understanding this information, please contact the Translating and Interpreting Service on 131 450 and ask them to call us on 1800 331 713.

## Coming Soon

Stay tuned for our oversized vehicle video



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RMS 17.636

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