

Jervis Bay Road intersection upgrade

Project update

September 2024



Artist's impression of the intersection upgrade

The Australian and NSW governments are investing in the Princes Highway and Jervis Bay Road intersection upgrade at Falls Creek. The new intersection will improve safety and reduce congestion along the Princes Highway corridor providing the main east-west link to the coastal villages of Huskisson, Vincentia, Hyams Beach and Jervis Bay.

What has happened so far



Since the start of major construction work in February 2024, we have:

- completed all clearing activities
- carried out the majority of the utility and service relocation work
- started building a temporary u-turn facility northbound on the Princes Highway near Willowgreen Road
- widened Jervis Bay Road to allow a new road surface to be built.



81,999 work hours to the end of August 2024

What happens next



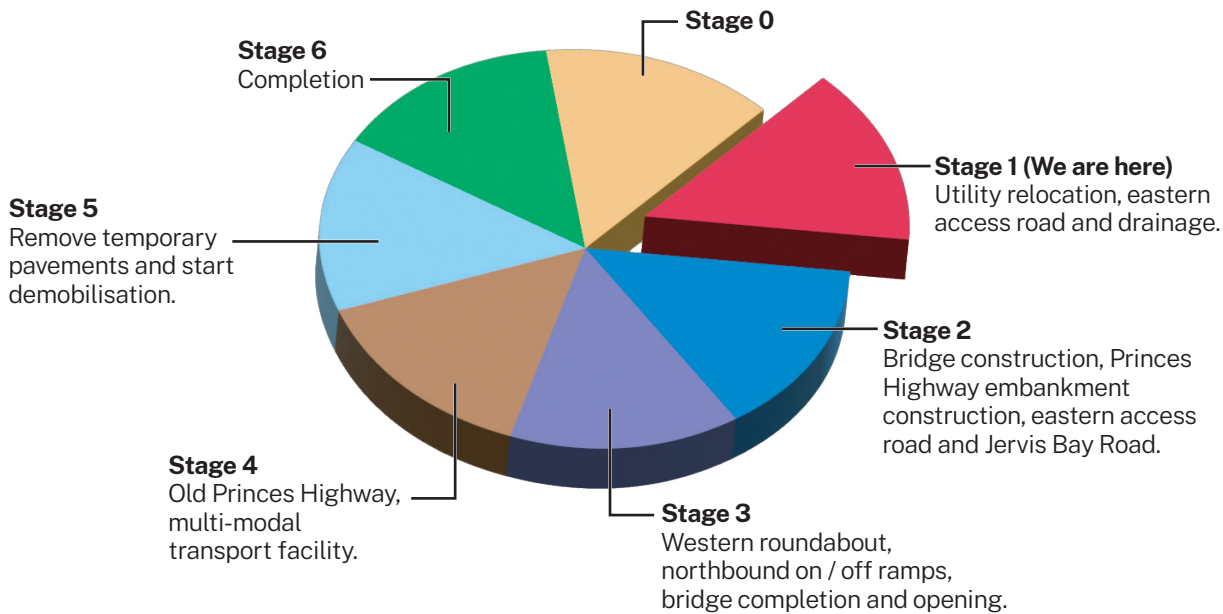
Our site will continue to be very busy over the coming months with a lot of activity right across the project area. Some of the upcoming work includes:

- completing utility and service relocation work
- continuing drainage works
- bringing in earthworks material for embankment construction of the new Princes Highway
- building the Jervis Bay Road surface
- starting piling for the bridge foundation.



Construction stages

Despite some delays due to wet weather, the project remains on track for completion in mid 2027. The project will be completed in stages, and we working through Stage 1. As we move into Stage 2, we are mindful of construction impacts to residents and the road network, particularly as we approach the busy holiday periods. We will continue to mitigate impacts where possible, and provide regular updates to the wider community.



Stage 1

Utility relocations -underground boring

We are continuing our work to relocate various telecommunication cables, overhead power lines and water pipes to allow for the construction of the new roads and bridge.

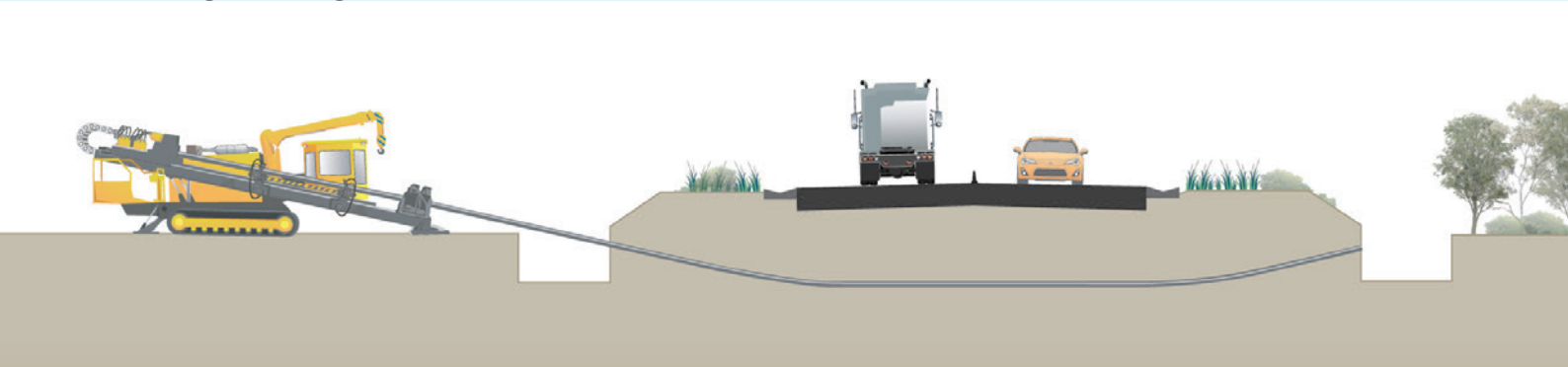
Have you ever wondered how we install utilities and pipes under the road without the surface collapsing? A method known as horizontal directional drilling is used to enable cables and pipes to be installed in a shallow radius that causes minimal impact to the surface.

This method involves drilling a small pilot hole from one surface point to another. Following this, the drill rig pulls back through to enlarge the bore hole to the diameter

required and pulls the pipeline or conduit with it, effectively filling the gap to create a space for the utility lines to pass through.

Throughout the project site, there are nine underbores in five locations, ranging between 50 and 150 metres in length. Once drilling is complete, each underbore will house pipes or cables that connect homes and businesses to the utility network.

As the utility relocation work continues, there may be some service disruptions to nearby residents. We will continue to work with utility providers to minimise these disruptions and will advise residents of any impacts to their properties as soon as practicable.



An underbore drilling system (Image by Zachary Mantle-Hughes)

Upcoming: Stage 2

During Stage 2 we will continue work on the southbound off-ramp and eastern access road, along with realigning Jervis Bay Road to allow piling to start for the bridge foundation.

Work will also start on the construction of the two roundabouts on either side of Jervis Bay Road to allow connection of the roundabouts underneath the new bridge.

Bridge construction – piling

Construction of the bridge across Jervis Bay Road will start in late 2024. Piling provides the foundation on which the bridge is built.

Piling rigs drill large bore holes deep into the ground, which are then filled with concrete. These piles transfer the load of the structure to the ground to help support it.

Piling for our bridge will be carried out with a 60 tonne piling rig and will consist of:

- 16 piles with eight each side of the bridge
- 11 metre depth founded into sandstone bedrock
- 34 tonnes of steel reinforcement
- 200 cubic metres of concrete.



Example of a piling rig

Project team cut-outs play important role around the construction site

Before embankments leading up to a bridge are constructed, we need to monitor the amount the natural ground compresses, or settles. Settlement plates are placed below the first layer of the embankment, sitting on top of the existing ground. As layers of fill are added, the level of the plate is regularly monitored against its starting height to determine if settlement is within the design requirements.

These plates must not be touched or the reading becomes invalid and the settlement period must restart. Many construction sites now attach yellow or photograph cut-out figurines of their team members to the settlement plates.

Research indicates that psychologically we connect this to a real person and are therefore less likely to make accidental contact. Members of our team have volunteered their photos to be used throughout the work site. You might recognise some faces around the site.



Cutouts to be used on settlement plate markers across our site

Photography giving us a bird's-eye view of the project



Each month we take aerial images of the project site using a Remotely Piloted Aircraft (known as a drone).

The drones are mapped to autonomously shoot in the same place each time they fly, meaning the images can be overlayed from month to month to show the project's progress.

Check out the project web page using the QR code to see how the project is taking shape from above.



An aerial image taken in August 2024

Connecting with our community



In August, Transport hosted a community information stall at the Vincentia Home Co. We enjoyed engaging with the community and providing information about the project scope and progress so far.

Our next community event will be at the Triathlon Huskisson in early November. The Transport team will join construction partner, SRG Global in friendly rivalry as both teams compete to improve their performance from the previous event.

Community members will also have the opportunity to meet the project team at our information stand. More details will be provided closer to the event.



Transport and SRG Global representatives at the Vincentia Home Co community information stall

Contact us



For questions and enquiries please use the contact details below. The project does not have a community display centre, however we are happy to arrange face-to-face meetings on request.



Project Infoline: **1800 570 562**



JBRcommunity@srgglobal.com.au



Visit the online portal go to **nswroads.work/jervisbayroad**



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