



Australian Government

BUILDING OUR FUTURE



August 2016

Upcoming work between Tyndale and Maclean

The Australian and NSW governments are jointly funding the \$4.36 billion Woolgoolga to Ballina Pacific Highway upgrade. Roads and Maritime Services has engaged Pacific Complete to partner with the Pacific Highway Office to deliver the project.

Work to date

Some of the activities carried out include:

- Surveys, vegetation clearing and boundary fencing
- Geotechnical investigations
- Installing dust monitoring equipment where required
- Building the main site compound at McIntyres Lane, Gulmarrad
- Mobilising machinery to the site and starting earthworks including transporting rocks and materials
- Upgrading intersections
- Trial controlled blasting ready for ongoing controlled blasting between Tyndale and Maclean.

- Continuing earthwork, including transportation of rocks and material
- Ongoing soft soil work
- Upgrading drainage and installing temporary crossings
- Setting up additional small site compounds for storage of materials
- Ongoing surveys, clearing of vegetation and boundary fencing

Changing traffic conditions

Closure of Goodwood Street and Schwonberg Street, Maclean

To build the Maclean interchange, **Goodwood Street will be closed** between Cameron Street and Schwonberg Street from **24 August 2016**. This area will then become an active work site for the Woolgoolga to Ballina project with road closure signs in place. Closing Goodwood Street will ensure safe separation between local traffic, work vehicles and heavy machinery.

Schwonberg Street will be closed 125 metres south of the existing intersection with Jubilee Street. Private property access will be maintained through traffic control. See map of closures and detour route inside.



Bulldozer in Tyndale cutting

Upcoming work

Work planned in the next three months includes:

- Changing traffic conditions
- Upgrading intersections
- Continuing controlled blasting



Upgrading intersections

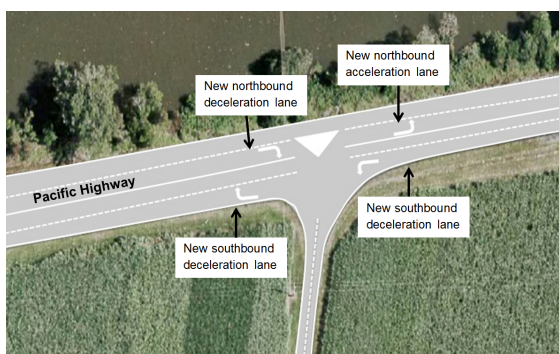
To create safe access points from the existing highway to the project alignment, a number of intersection improvements will be carried out from July to October 2016, weather permitting. Work includes:

- Survey to mark out boundaries
- Minor vegetation clearing
- Installing barriers for safety of motorists, workers, cyclists and pedestrians
- Upgrading drainage
- Earthworks and pavement widening for the intersection improvements
- Sealing the new sections of the intersection
- Installing line marking and sign posting.

Pacific Highway and Norleys Lane, Maclean

Intersection improvements will include:

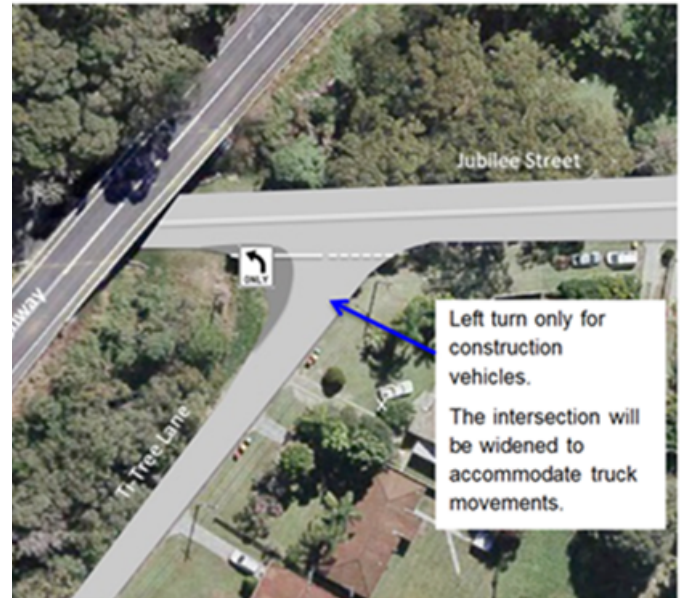
- Widening the southbound carriageway
- Building new northbound and southbound deceleration and acceleration lanes
- Widening and sealing Norleys Lane for around 80 metres from the intersection of the highway.



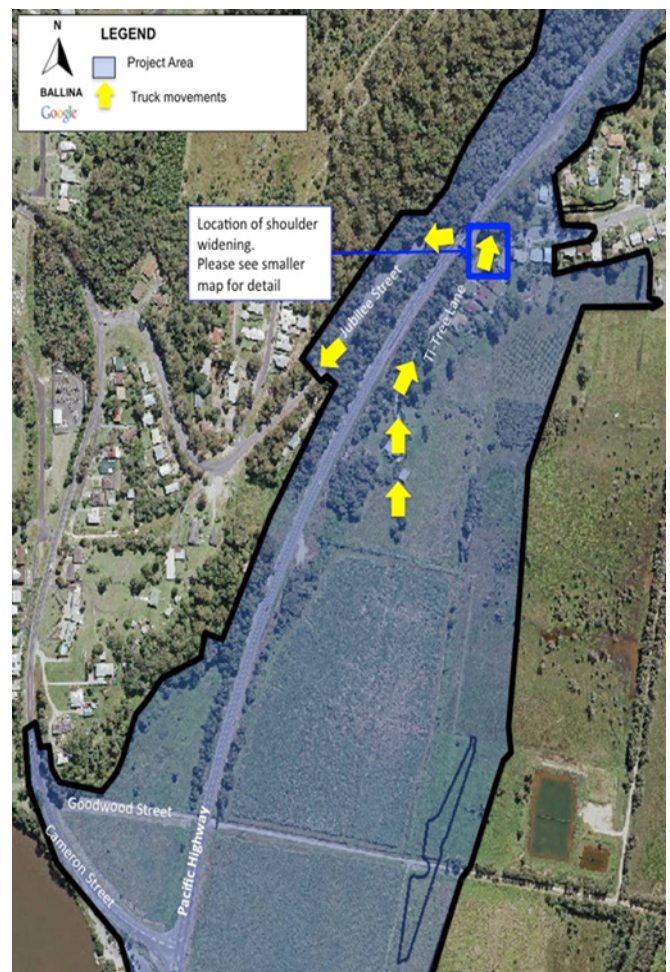
Intersection of Pacific Highway and Norleys Lane

Ti-Tree Lane and Jubilee Street, Maclean

Intersection improvements will include widening the south west corner of Ti-Tree Lane to allow trucks to turn left out of Ti-Tree Lane onto Jubilee Street. Access will be restricted to construction vehicles only.



Intersection of Jubilee Street and Ti-Tree Lane

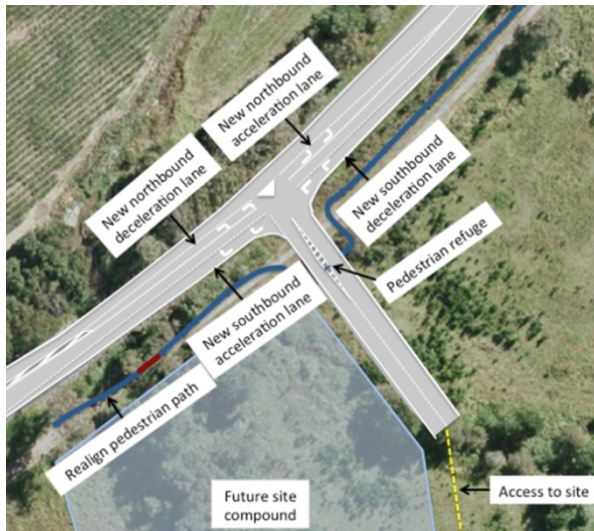


New access road from Pacific Highway, Tyndale

Work will include:

- Building a new access road (restricted to 40km/h) to the future site compound including a pedestrian refuge just north of Tyndale village
- Building new northbound and southbound deceleration and acceleration lanes and new line marking
- Realigning the existing pedestrian path, footbridge will remain in the same location. Access will be maintained for pedestrians at all times

The new access road will eventually become the southern part of the new Tyndale interchange.



Intersection of Pacific Highway and new access north of Tyndale

Moving rock and materials

Starting in July 2016, Around 2 million cubic meters (the equivalent of around 800 Olympic swimming pools) of material will be removed from between Tyndale and Maclean to build the road. To reduce travel distances, the number of trucks required on the existing highway and improve road safety and efficiency for all road uses, rocks and earth will be transported within the project route, wherever possible. To access the project route, trucks will need to use a number of local roads including:

- Shark Creek Road, Tyndale
- Bondi Hill Road, Tyndale
- Byrons Lane, Tyndale
- McIntyres Lane, Gulmarrad
- Causleys Lane, Gulmarrad
- Norleys Lane, Tyndale

- BP access road, Maclean
- Ti Tree lane, Maclean.

Some other local roads will need to be used **temporarily** to help build access points. These routes are not planned haulage routes for rock and materials. This includes:

- Sheeys Lane, Tyndale, to build the new intersection of Pacific Highway and new access north of Tyndale
- Gallaghers Lane, Shark Creek to build the temporary crossing of shark creek.

Managing impacts to traffic

There will be temporary traffic changes along the project route to ensure the work zone is safe, this includes traffic control on local roads and access roads where haulage along the project route is taking place.

Reduced speed limits and lane closures may be in place for access and may affect travel times. Please keep to speed limits and follow the direction of traffic controllers and signs. For the latest traffic updates, you can call 132 701, visit livetraffic.com or download the Live Traffic NSW App.

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

Soft soil work

Soft soils are an important design consideration for the project as there are deep soft soils in floodplain areas along the upgrade. Key features of soft soils include high water content, low capacity for allowing water to pass through and low strength.

Without soft soil treatment there is the potential for highway foundations and the main alignment to sink and crack. This is because the bearing capacity of the soil is not strong enough to support the highway.

Treating soft soil before building the main alignment takes time but saves money. The aim is to consolidate the soil so it can be built on. Consolidation involves squeezing the water from the soil to make it denser.

It will take about two and a half years for the soil to consolidate once the water is

removed. This is the reason soft soil treatments are starting early. Upcoming work for soft soils includes:

- Wick drain installation
- Vegetation clearing and grubbing
- Environmental monitoring of dust, noise and water quality
- Survey to mark out boundaries
- Removal and temporary stockpiling of topsoil and mulch
- Placing general fill for embankments.

Controlled blasting – Tyndale

A trial blast has been carried out at Tyndale Hill during July and blasting at Tyndale will now be ongoing for about six months. Controlled blasting will take about 15 minutes with up to two blasts per week, weather permitting.

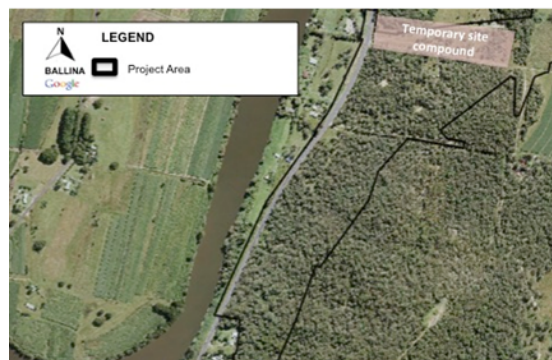
Blasting may be carried out between 9am and 5pm weekdays and 9am and 1pm on Saturdays.

Restricted access will be in place around the worksite and traffic delays of up to ten minutes should be expected on Bondi Hill Road and Pacific Highway, Tyndale, during each controlled blast. Traffic control measures and signage will be in place and residents are asked to observe and obey any directions given by traffic controllers to ensure the safety of motorists and workers.

The rock from the blasting activities will be crushed on site using a crushing machine and transported and reused along the project where high quality material is needed. Further information will be supplied to potentially affected residents up to 48 hours in advance of each controlled blast

Temporary site compound

A temporary site compound will be built along the highway for use during the project. The existing building will be used as an office and heavy machinery will be stored on site. The existing entry will be widened to allow for larger vehicles to access the property, however, no work will take place on the Pacific Highway. Temporary traffic control will be in place during the widening work. The site will be rehabilitated when the project is complete.



Temporary site compound, Tyndale

Work hours



7am – 6pm Monday – Friday
8am – 5pm Saturdays

Typically work will be carried out between 7am and 6pm, Monday to Friday and 8am to 5pm on Saturdays if required.

In areas where residents live more than 200 metres from the project boundary, extended work hours from 6am to 7pm weekdays are allowed. Nearby residents will be notified at least five working days in advance of any activities scheduled outside of these working hours.

How will the work affect you?

To minimise the impact on road users and the community, this work will be carried out in stages.

There may be some noise, dust and disruption associated with this work. You may also notice some changes around local areas during the work including increased vehicle and truck movements as well as project team members on site.

Contact us

For more information about the work please contact the project team on 1800 778 900, email W2B@pacificcomplete.com.au or visit the project website at www.rms.nsw.gov.au/W2B.



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 778 900.