



YOUNGS CROSSING UPGRADE

PROJECT UPDATE

MAY 2021

Moreton Bay Regional Council is upgrading Youngs Crossing Road at Joyner where it crosses the North Pine River to improve flood immunity and cater for growing traffic needs.

Over \$68 million has now been committed to deliver the upgrade to this important regional transport corridor, with the Federal Government contributing \$32.75 million.

The detailed design for the project is well under way, and construction is expected to start in March/April 2022.

Amended alignment

Through the early stages of the detailed design process, the alignment for the upgraded section of Youngs Crossing Road has been amended.

It still largely follows the existing Youngs Crossing Road alignment, which Council endorsed following community consultation last year. However, it will now be located slightly further to the west of the existing road.

The upgrade will comprise of two bridges, spanning North Pine River and Sideling Creek, with a rock armour protected embankment located between the two bridges/ watercourses. Each bridge is expected to be around 84 metres long.

The project will be developed and scoped further as detailed design progresses over the coming months, with the construction tender to be confirmed late 2021/early 2022.

This alignment has been selected as it addresses some of the community suggestions and priorities raised during consultation last year, including:

- ✓ improving environmental outcomes, including the opportunity to preserve the two large fig trees and reducing impact on the lowland forest area
- ✓ ongoing use of and access to the water hole
- ✓ minimising the impact on traffic during construction

Refer overleaf for maps showing the amended alignment and more details on its benefits.

As the project progresses, the project team will engage with the community, stakeholders and design and subject experts and share information and designs.

Project benefits

The Youngs Crossing Upgrade Project aims to:

- ✓ provide Q 100 flood immunity during heavy rain and water releases from North Pine Dam and Sideling Creek
- ✓ increase road capacity (from two to four lanes)
- ✓ improve road safety through additional lanes and separating north/south traffic flows
- ✓ reduce delays and congestion due to increased capacity and flood immunity
- ✓ provide shared pedestrian path and dedicated on-road bicycle lanes.



Benefits of the amended alignment

- 1 The project now includes the Protheroe Road intersection. The new signalised intersection will increase safety and assist traffic flow.
- 2 Access to Youngs Crossing Park will be maintained via a four-way signalised intersection connecting to the waterhole and its car park.
- 3 The amended alignment will seek to minimise impact to the waterhole and its surrounding park facilities, including existing public amenities.
- 4 Overall environmental impacts are anticipated to be no worse than the concept alignment endorsed last year. The amended alignment avoids the large fig trees and is expected to reduce clearing of the lowland forest area.
- 5 Uses the elevated embankment near the pony club.
- 6 The road level at the northern edge of the Sideling Creek Bridge will be 700mm lower than the concept design adopted in November 2020, reducing required earthworks.
- 7 Piers and piles will be designed to minimise hydraulic impacts to Sideling Creek, Pine Rivers Pony Club and Dayboro Road.
- 8 Access to the Pine Rivers Pony Club via Youngs Crossing Road has been included. The Project Team will work closely with the club through the detailed design process.
- 9 With the new carriageway running west of the existing roadway, construction work can largely occur offline in two stages, minimising disruptions, alterations and temporary works.



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Project timing

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A key regional project

With the Youngs Crossing Road transport corridor being a critical link to the South East Queensland road network, this upgrade is one of the biggest road infrastructure projects to be delivered by Council.

Youngs Crossing Road has low flood immunity and since 2010 has closed an average of 4.5 days a year following rain events, spills into Siding Creek and water releases from North Pine Dam - causing delays, congestion on local roads and economic impacts.

As recently as March 2021 the road was closed for almost two and a half days due to flooding caused by heavy rain.

The road is used by approximately 20,000 vehicles every day, and traffic is forecast to increase to 22,500 vehicles by 2026 and 27,500 vehicles by 2036.

Council has been progressively upgrading sections of Youngs Crossing Road to four lanes to cater for this growth.

Detailed design activities

Over the past few months, several on-site investigations have commenced in and around the Youngs Crossing upgrade area as part of the early detailed design process.

These have included:

- ✓ land and features surveys
- ✓ noise monitoring
- ✓ land and aquatic environmental ecological surveys
- ✓ geotechnical investigations to collected soil and rock samples.

This information is helping to inform the next stages of detailed design.

On-site activities to occur during the coming months will include further noise monitoring, as well as service location works which will use a high-pressure vacuum truck to identify utilities such as underground electrical, communications, water and sewer services.

Other studies and investigations during detailed design will consider:

Environment – assessment of vegetated areas and mitigation/offset options

Cultural heritage – includes consulting traditional owners

Road formation and embankments – minimise impacts to properties and park areas

Road safety – identify risks and mitigation options

Visual amenity – design embankments, landscaping and screening to minimise the visual impacts

Noise abatement measures – incorporate sound barriers and vegetation screens as necessary to reduce potential noise impacts

Constructibility – minimise impacts on traffic flow throughout construction

Early works packages – will consider service relocations, noise/screening barriers, landscaping and plantings.

For more information



Visit: moretonbay.qld.gov.au/youngs-crossing



Phone the project team on 1300 544 874 between 8.30am and 5pm Monday to Friday



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