



## MUSWELLBROOK BRIDGES REPLACEMENT PROJECT UPDATE – DECEMBER 2020

The Australian Rail Track Corporation (ARTC) is replacing three rail bridges (being the Hunter River Bridge, Muscle Creek Bridge and Bridge Street Bridge over the New England Highway) with new bridges within and next to the rail corridor, in Muswellbrook, NSW.

Work commenced onsite in June 2020, and we expect the project to be completed in 2022.

### Work completed in 2020

In the past six months we have undertaken the following main activities:

- Completed sheetpiling works for the permanent retaining wall near Bridge Street. A façade panel is still to be installed along this retaining wall, which will be completed in 2021.
- Completed bridge piling works for the new Bridge Street bridge. This included the construction of sixteen piles during the September and November 2020 Rail closedowns.
- Commenced construction of the casting yard for the new Muscle Creek and Hunter River bridge. Once complete, the casting yard will be used to fabricate the new bridge girders and deck.
- Commenced bridge piling works for the new Muscle Creek and Hunter River Bridge. This included the construction of eight piles, with the remaining fourteen piles to be completed in early 2021.
- Completed construction of the temporary access bridge over Muscle Creek. This provides construction access into the 'Island' between Muscle Creek and Hunter River.

*Photo: retaining wall instillation works*



# MUSWELLBROOK BRIDGES REPLACEMENT PROJECT UPDATE – JANUARY 2021

## What you can expect in 2021

Works coming up over the next six months will include:

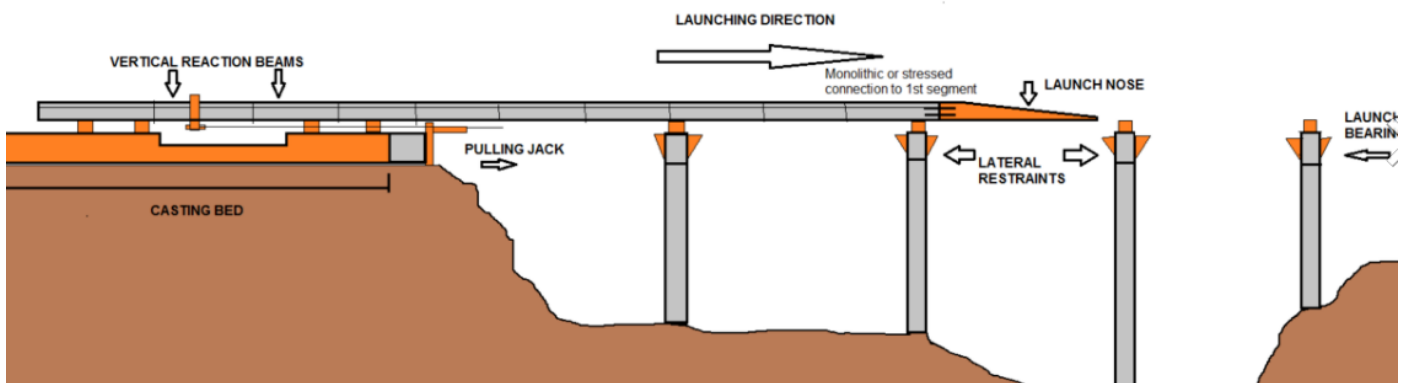
- Completion of the bridge substructure for the new Bridge Street bridge. This will include construction of four concrete pile caps, and the installation of two precast abutment beams.
- Completion of the bridge substructure for the new Muscle Creek and Hunter River bridge. This will include the remaining piling works, construction of three concrete piers, and the construction of the two bridge abutments.
- Completion of the casting yard for the Muscle Creek and Hunter River bridge.
- Commencement of the construction of the new bridge superstructure for the Muscle Creek and Hunter River bridge.

## Did You Know?

The new bridge over Muscle Creek and Hunter River will be constructed using an 'incremental launch method'. This involves the construction of the bridge structure in segments (up to 25m long), with the segments joined together and section by section pushed out over the creek and river. This process will take approximately six months.

Below is a diagram showing how this process will work.

*The information provided is correct at the time of publishing but is subject to change due to unplanned or*



## WANT TO KNOW MORE?

ARTC is committed to working with landowners, communities, state and local governments as a vital part of our planning and consultation work, and we value your input. If you have any questions or comments, please let us know.

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