



# NEWSLETTER

AUGUST 2016



ARTIST IMPRESSION OF PARKWOOD EAST STATION

**Construction of the new 7.3 kilometre Gold Coast Light Rail Stage 2 route between Helensvale heavy rail station and the Gold Coast University Hospital light rail station has started.**

In April 2016, CPB Contractors commenced early works along the project corridor including detailed survey of the area to further refine the light rail design.

Vegetation clearing works started in July along with the closure and detour of the Smith Street Motorway pedestrian footpath. On Friday 5 August, the official sod turning marked the start of construction, which involves bulk earthworks and excavation to prepare for the installation of the track and related infrastructure.

Over the coming months people will notice a rapid increase in construction activities to ensure the Stage 2 alignment of the light rail system is operational before the Gold Coast 2018 Commonwealth Games.

During construction, changes around the local area will include additional construction vehicles and personnel movements, traffic management signs and increased levels of localised noise from the use of heavy machinery and equipment.

Every effort will be made to keep disruption to a minimum for residents and businesses in proximity to the project site. CPB Contractors is committed to providing regular updates and project-specific information to stakeholders in a timely manner.

With the opening of Stage 2, public transport users will not only have a seamless, one-transfer journey between the Gold Coast and Brisbane, they will also have the option of stopping at any of the 19 light rail stations with bus connections at key activity centres along the corridor between Helensvale and Broadbeach.

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## Industry information session – jobs for locals

On Tuesday 28 June, CPB Contractors held its second industry information session since the early tender phase, to provide opportunities for local suppliers to register their interest to work with the project to deliver Stage 2 of the Gold Coast light rail system.

Thank you to all those suppliers who have already registered their interest in working on the project. Local businesses can still register by emailing [gclrstage2@cpbcon.com.au](mailto:gclrstage2@cpbcon.com.au) or visiting [www.gclrstage2.com.au/contact](http://www.gclrstage2.com.au/contact).



## Community drop-in information sessions

Community drop-in information sessions were held on Thursday 7 and Saturday 9 July at Arundel State School. These sessions provided local residents with the opportunity to speak with the project team about a range of topics including noise barrier construction, key project milestones and environmental management. Feedback on current operations of the light rail was also provided to GoldLinQ.

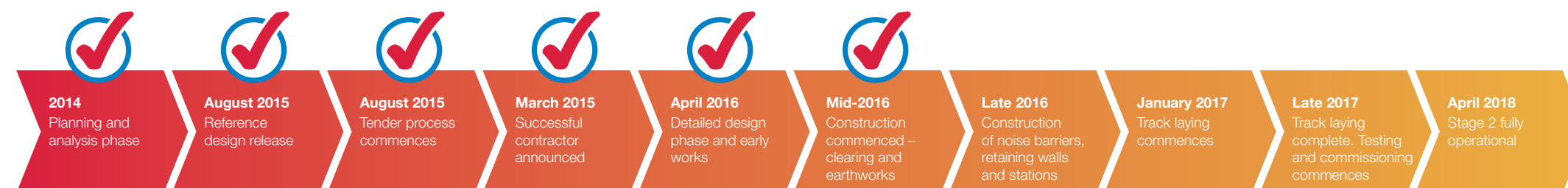
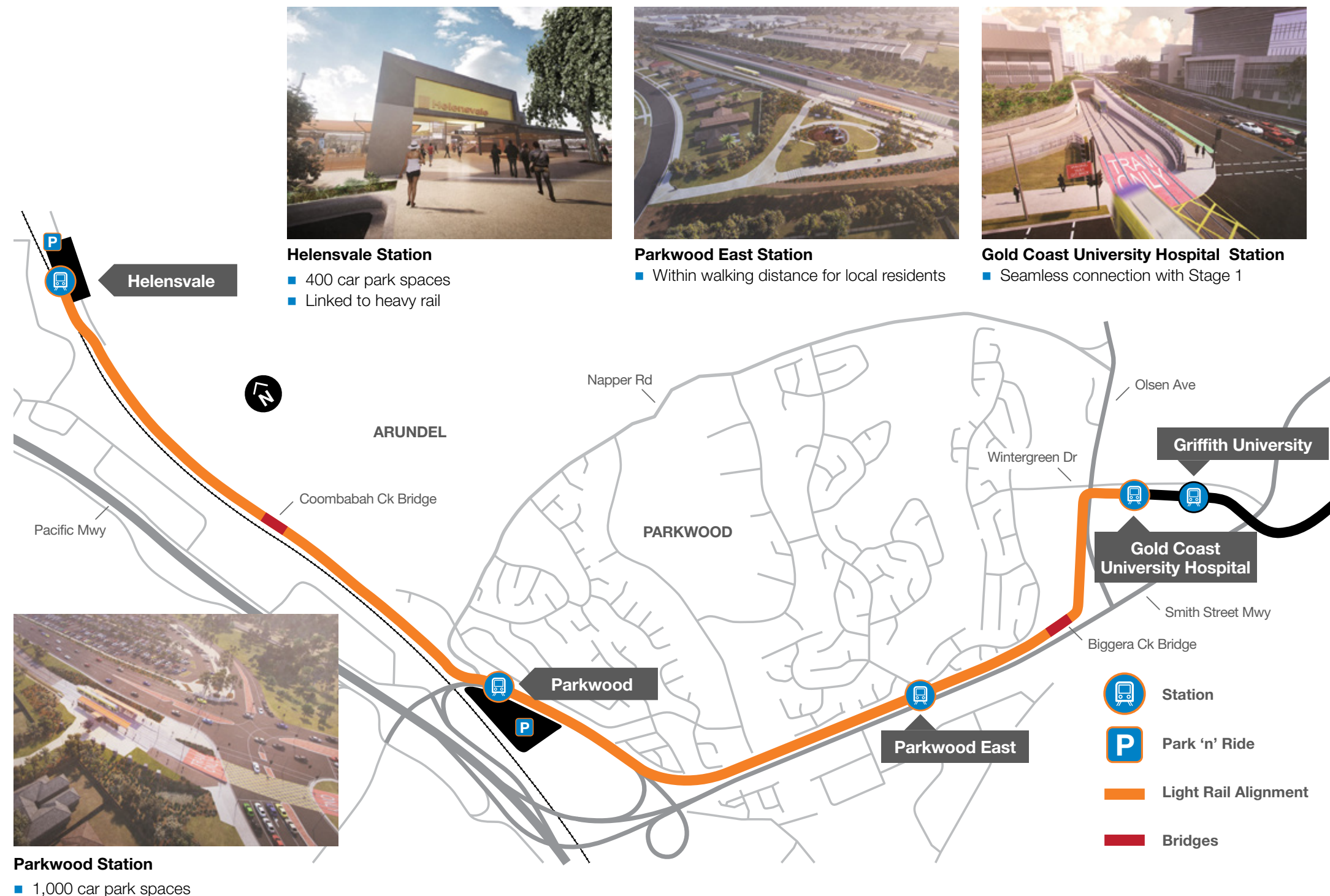
Topics covered:

- Height and location of noise barriers adjacent to properties
- Flora and fauna management
- Construction impacts

If you were unable to attend the sessions and would like more information, the project team is happy to answer your questions. You can contact us directly on 1800 425 799 or via [gclrstage2@cpbcon.com.au](mailto:gclrstage2@cpbcon.com.au).

## Construction of the Gold Coast Light Rail Stage 2 will involve:

- 29.2 kilometres of rail
- 19,000 concrete sleepers
- 4.1 kilometres of new noise barriers
- 22,000 cubic metres of concrete
- Approximately 14.6 kilometres of OHLE wire
- 46,930 tonnes of ballast
- 37.4 kilometres of electrical conduit
- 2.5 kilometres of drainage



# Construction staging

**Construction of the Gold Coast Light Rail Stage 2 project will be completed over six major stages which include:**

## SITE PREPARATION

The site is cleared and the ground is excavated down or built up to the level that will form the light rail foundation. Underground drainage and services such as power, water and electricity are then relocated. A layer of ballast is placed for each line which will form the track foundation.

## BALLAST

Ballast is a specific type of rock used for supporting the sleepers and rail track, keeping them in place while trams run. A ballast machine rides the new tracks and places the ballast over the sleepers and between the tracks.

## LAYING CONCRETE SLEEPERS

Concrete rail sleepers are placed on the ballast along the alignment as a base support for the rail. Sleepers are positioned by a front end loader with a sleeper 'grab' attachment which picks up a set of sleepers and lays them in the configuration for the rail tracks to then be attached.

## LAYING THE RAIL TRACKS

The steel rail is placed on top of the concrete sleepers or within precast slabs across road intersections and clipped into place by either a track mountable machine or by hand. The rail is then welded together using 'flash butt-welding' which melts two rail pieces together forming a seamless rail track.

## SETTLING THE RAIL

A track mountable machine called a tamping machine rides along the new track, lifting the tracks, vibrating the ballast into place. It then sets the track into its final position. This method is repeated numerous times to ensure the rail line settles and is ready for operation.

## TRACTION POWER, STATIONS AND LANDSCAPING

Masts are installed along the light rail alignment to support the equipment which provides electricity to operate the trams. Signalling structures are also installed along intersections and the light rail track. Light rail stations will be constructed and landscaped prior to testing and commissioning in preparation for service commencement.



### OFFICIAL SOD TURN – FRIDAY 5 AUGUST 2016

**PICTURED LEFT TO RIGHT:** City of Gold Coast Mayor Tom Tate, Minister for Transport and the Commonwealth Games Stirling Hinchliffe, Federal Member for Fadden Stuart Robert, Federal Minister for Urban Infrastructure Paul Fletcher

## Project information

Gold Coast Light Rail Stage 2 involves the design and construction of a new 7.3km route which runs from Helensvale heavy rail station adjacent to the Gold Coast Line, then adjacent to the Smith Street Motorway to connect with Stage 1 at the Gold Coast University Hospital light rail station.

The Queensland Government and GoldLinQ finalised the Stage 2 Project Documents on 28 April 2016. GoldLinQ's construction contractor CPB Contractors commenced construction in July 2016.

GoldLinQ and CPB Contractors have committed to completing the project in time for the Gold Coast 2018 Commonwealth Games.

## CONTACT THE PROJECT TEAM

If you have any questions or would like to register for more information, please contact the CPB Contractors Project Team on **1800 425 799\*** or email **[gclrstage2@cpbcon.com.au](mailto:gclrstage2@cpbcon.com.au)**.

Visit **[www.gclrstage2.com.au](http://www.gclrstage2.com.au)** for more information and updates.

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Australian Government

**BUILDING OUR FUTURE**

CITY OF  
**GOLD COAST™**

**GoldlinQ**  
Gold Coast Light Rail



Queensland Government