



# NEWSLETTER

FEBRUARY 2017



MAJOR EARTHWORKS ARE NEARING COMPLETION. DUST SUPPRESSION USING WATER TRUCKS.

**The Gold Coast Light Rail Stage 2 project reached some significant milestones in 2016, with the majority of earthworks complete and 1.6 kilometres of noise barriers installed.**

Construction has well and truly kicked off for 2017 with work set to ramp up over the coming months. Station construction has started, with foundation work well underway.

The earthworks required for the track formation has also commenced with compaction of the rock base called 'ballast' due to start in April 2017 ahead of laying 19,000 concrete sleepers and 29.2 kilometres of rail.

Major intersection works have begun at Napper Road, with Olsen Avenue work due to commence in March, to facilitate the installation of the at grade tracks (street level) and overhead lines – this is a major undertaking and will take up to three months at each intersection to complete.

## PROJECT FAST FACTS

- To date more than 900 workers have been inducted on-site with an average of 180 workers on site each day. This number is expected to double during peak times throughout 2017.
- More than 330,000 project hours worked since July 2016.
- 36,000 tonnes of material has been removed from sections of the site for re-use in other locations along the project corridor.

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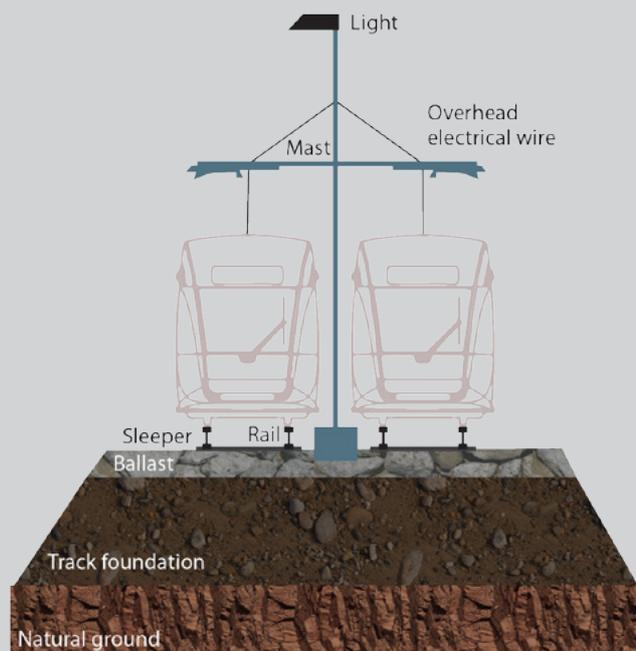
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## Next Steps

Construction of the Gold Coast Light Rail Line is completed in a series of major activities including:

- Constructing the formation (earthworks).
- Delivering and compacting rock material called 'ballast' using trucks, a front end loader and grader.
- Placing concrete sleepers using an excavator with a specialised 'octopus' attachment.
- Laying and welding together pre-prepared sections of steel rail – lengths of up to 140m long will be dragged into position and joined together using 'aluminothermic' welding. The rails are then secured to the sleepers.
- This activity is repeated numerous times to ensure stability for the sleepers during passenger operations.
- Rail will be embedded in concrete around station areas and at road intersection crossings similar to Stage 1.
- Installing over-head equipment including masts, contact wire and other on-ground electrical equipment.



## Major intersection work

An important element of the Gold Coast Light Rail Stage 2 project is the placement of at grade tracks and associated infrastructure across the intersections at:

- Napper Road and Smith Street and
- Olsen Avenue and Wintergreen Drive.

### NAPPER ROAD

**In early February 2017, construction commenced on the reconstruction of the Napper Road and Smith Street intersection to prepare for the installation of new light rail tracks.**

The reconstruction of the intersection will take place in different stages during weeknights and on weekends for approximately three months and will require temporary lane closures and detours.

**Night work construction activities will occur from 6.00pm to 7.00am and will involve:**

- Removal of concrete islands on Napper Road to create space for lane changes during the reconstruction work.
- Asphalt removal to relocate and install electrical service conduits and pits for the signalised intersection and street lighting.
- Excavation of existing kerbs and installation of new road drainage.
- Reconstruction of the existing concrete islands on Smith Street and installation of the pedestrian refuge island.
- Concrete work including the installation of formwork, pouring and concrete cutting.
- Installation of electrical conduits.
- Placement of asphalt layer.

### What to expect:

- Traffic control for lane closures, diversions and detours including signage to direct motorists. In the event of wet weather or unforeseen circumstances, this activity will occur at the next available time.
- Visual message boards will operate in the area to keep drivers informed.
- Increased noise levels and vibration from machinery i.e. road saws, jackhammers, asphalt machinery, excavators, compaction equipment, concrete trucks, bobcats, vacuum excavators, site vehicles and lighting towers.
- Dust associated with construction activities - water trucks will be onsite to minimise dust.



## NAPPER ROAD DETOUR MAP



## INTERSECTION/ROADWAY RAIL CONSTRUCTION

- Excavation of asphalt within an intersection.
- Precast concrete sections are delivered and lifted into position along the alignment.
- Steel plates are placed over the precast concrete sections until completion.
- Once the precast concrete sections are in position, lengths of rail are installed and joined together using 'aluminothermic' welding.
- Rail adjustments are carried out to ensure rail meets the required vertical and horizontal geometry.
- After the rail adjustments are completed, a grout type substance is applied to fill the voids around the rail and to hold the rail in its final position.

THE DETOUR MAP ABOVE IS A GUIDE TO ASSIST WITH ACCESS DURING THE NAPPER ROAD RECONSTRUCTION WORKS.

## OLSEN AVENUE

**From early March the reconstruction of the intersection at Olsen Avenue and Wintergreen Drive will commence.**

These works will also be undertaken in stages and are expected to take several months to complete.

**Night work construction activities will occur from 6.00pm to 7.00am and will involve:**

- Reconstruction of the intersection to the required level.
- Installation of pre-cast concrete track slabs.
- Pulling the steel rail across the intersection.
- Installation of overhead lines.
- Installation of lights, traffic signals, and signage.

**More information on these works will be provided via local radio traffic updates, written notification to local residents, visual message boards and press advertisements. To register for updates, visit [www.gclrstage2.com.au](http://www.gclrstage2.com.au)**

## What to expect

- Intermittent weekend lane closures will be required on Olsen Avenue, Parklands Drive and Wintergreen Drive for up to five weeks, weather permitting.
- Temporary weekend intersection closures.
- Traffic control and signage will be in place to direct motorists.
- Trucks and machinery including excavators.
- Asphaltting and placement of new line-marking.
- Night work is associated with this activity.

NOTE: Vehicle access to the Gold Coast University Hospital and businesses along Olsen Avenue will be maintained. Pedestrian access will be maintained at all times.

# Parkwood station

Parkwood station, located on the corner of Napper Road and Smith Street, will provide a park 'n' ride facility with 1000 vehicle parking spaces, new signalised pedestrian crossings to safely cross Smith Street, a 'kiss 'n' ride' set down area, taxi bay facilities, provision for motorcycles and accessible parking for people with disabilities. Local residents will have easy access into the Parkwood station via a newly created plaza and pedestrian link from Greenacre Drive.

A new intermediate bus stop will be placed along Greenacre Drive opposite the station precinct entrance (eastern side) and the existing bus stop on the western side will be upgraded.



The Gold Coast Light Rail Stage 2 project is offering Grants of up to \$10,000 per organisation (from a total funding pool of \$25,000) to charities and not-for-profit organisations that provide health, environment, education or community services in the Parkwood area.

## CRITERIA

Applications must meet the following criteria:

- Funding must be used for a program/initiative delivered in the Parkwood area.
- The program/initiative should address an issue or meet a community need that is of particular importance in the Parkwood area.
- Ideally, the program/initiative provides opportunities for the Gold Coast Light Rail Stage 2 to participate (examples include volunteering or in-kind support).

## APPLICATIONS

Contact [gclrstage2@cpbcon.com.au](mailto:gclrstage2@cpbcon.com.au) for an application form. All applications must be submitted by **Friday, 24 March 2017**.

A judging panel comprising representatives from the Gold Coast Light Rail Stage 2 project, GoldlinQ and local community members, will assess all submissions. Successful applicants will be notified from 27 March 2017. Contact 1800 425 799 for more information.



## KEY FEATURES OF PARKWOOD STATION:

- Passenger shelter and seating on both sides of the track.
- CCTV security cameras on platforms, car park and precinct entry.
- Passenger information displays on the platform.
- Bike racks for casual cycle storage.
- Ticket vending machines and go card validation readers.
- 1000 vehicle parking facility.

## 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 \$420 million dollar project is being funded by the Queensland Government (\$270 million), the Australian Government (\$95 million) and City of Gold Coast (\$55 million).

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.

\* Free call within Australia.  
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