

# Construction Update

## NorthLink WA – Northern Section: Ellenbrook to Muchea

CPB Contractors is working in partnership with Main Roads to deliver the 23km of free-flowing highway on NorthLink WA's northern section.

**Early works to construct the northern section are now underway in preparation for major construction to begin in late 2017.**

Boundary fencing is being erected along the alignment to delineate the work area from adjacent properties and local roads, allowing works to progress safely.

Clearing of vegetation is also underway at various locations within the road reserve. Where possible, grass trees within the alignment are being salvaged for re-use.

Prior to clearing in each area, the project team undertakes an extensive fauna trapping program to relocate native fauna to suitably identified habitats.

In cleared areas, topsoil stripping is underway. This involves removing the uppermost layer of soil that is capable of growing and supporting vegetation. To ensure the high quality of the delivered infrastructure, it is important for the foundation of the road and each of its successive layers to be free from organic contaminants.

The topsoil is tested and treated for weeds prior to removal so it can be re-used. Suitable top-soil material is salvaged for mulch, which is used during the revegetation and landscaping phase near the time of project completion.

Major construction including earthworks will start around November. To minimise haulage impacts, a cut-to-fill method of construction will be used on the southern half of the project.

Cut-to-fill means that the amount of existing earth in the area is sufficient for construction and therefore only needs to be excavated and transported small distances.

However, on the northern half of the job, there is insufficient quantity of existing earth and fill must be imported from outside of the project area.

The fill is used to build the road up to the required design level. The levels of the road are specifically designed to consider a wide range of factors such as water tables, bridge locations, road safety and drainage.

CPB Construction Manager Paul Dyson said the team was looking forward to getting started on major construction.

"The months leading into Christmas will be busy for us," he said.

"We will hit the ground running with earthworks so that we're in a prime position to capitalise on the dry summer weather."



*Above: Grass trees being salvaged for re-use.*



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## Safety first

The health and safety of our people and the community is the ultimate priority for CPB and Main Roads.

One of the first steps we take in the construction process is to separate the project area with boundary fencing.

During construction, the project area will be strictly prohibited to non-project personnel.

For your safety, we kindly request you keep this in mind and ensure you follow any signage.

## Site offices established

You may have noticed site offices now established at several locations across the project area, including nearby the Great Northern Highway/Brand Highway intersection in Muchea and West Road in Bullsbrook.

A number of smaller site offices will be established across the project area in the coming months. These will provide our engineers and crews with on-site facilities to carry out their work.

## 'Turkey nests' under construction

Turkey nests are small dams built to contain groundwater obtained through a bore to help mitigate dust and facilitate pavement construction works,

To build and extract water for the turkey nest, the team must obtain a series of approvals including the necessary water licenses. Approval of these licenses is based on thorough hydrogeological assessments and strict groundwater operating requirements.



Above: Turkey nest.

## Local road modifications

The northern section will deliver 23km of free-flowing dual-carriageway from Maralla Road to Great Northern Highway near Old Gingin Road, improving transport safety and efficiency.

As the new Tonkin Highway alignment travels across a number of local roads, some layout modifications will be required so the highway can be constructed and operate safely and efficiently when complete.

The following local roads will become cul-de-sacs at the new Tonkin Highway:

- West Road, Bullsbrook
- Raphael Road/Gully Road, Bullsbrook
- Stock Road West, Bullsbrook
- Warbrook Road, Bullsbrook
- Maralla Road, Ellenbrook

Access to Tonkin Highway will be via grade-separated interchanges at Neaves Road, Stock Road and Brand Highway.

A number of new service roads will provide access to adjacent properties.

More information on these local road changes will be available on the NorthLink WA website in coming months.

## Want more information?

Visit [www.northlinkwa.com.au](http://www.northlinkwa.com.au) or register for regular updates at [info@northlinkwa.com.au](mailto:info@northlinkwa.com.au).

For construction related information about NorthLink WA northern section contact **1800 930 955** or email [NLWAenquiries@cpbcon.com.au](mailto:NLWAenquiries@cpbcon.com.au).

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