



Project Update

July 2007

General news items

QUICK FACTS

- Onsite activities have escalated with steadily progressing works of surveying, clearing and fencing. To date approximately 53.6 kilometres of the project site has been cleared and 27 kilometres fenced.
- Cartage from material supplies has commenced and is expected to increase coinciding with acceleration of the construction program.
- Borrow pits have been established in Baldivis and West Pinjarra and from a major cutting within the project site. Presently three borrow pits are active.
- Detailed design is well underway with the majority of the project's core elements reaching 30 percent.

Project office relocation – Southern Gateway Alliance (SGA) Stakehill Road Baldivis premises

Development of SGA's new site office in Stakehill Road Baldivis is currently underway. Construction will see the progressive installation of transportables throughout the approaching weeks.

The Baldivis site office is expected to host a team of up to 90 SGA personnel to become the primary site location for the New Perth Bunbury Highway (NPBH) project. Project personnel are expected to occupy the premises in August 2007 and operate from the site for the project duration until December 2009. The office will be supported by satellite offices established at Karnup, South Yunderup and Barragup.

With safety and security a priority, the site office will be fully fenced and monitored by a full-time security guard at night and throughout the weekends. Unauthorised access will be prevented with the installation of gates and fencing.

Safety and accessibility – Construction of a roundabout Stakehill and Baldivis Roads

To increase safety and accessibility for road users within the area, a new roundabout is proposed at the intersection of Stakehill and Baldivis roads. It is anticipated the roundabout will be constructed prior to completion of the site office and occupation by SGA personnel. The roundabout has been formally approved by the City of Rockingham and construction has commenced.

Minimising disruption – Development of an internal haulage road

An internal haulage road is currently under construction along the length of the alignment providing an all purpose access track for construction vehicles. The road will be used as a primary haulage road to reduce community disruption, increase accessibility and improve road safety. To date, approximately 46 kilometres of the haulage road has been laid.

NEW
PerthBunbury
HIGHWAY



Developments Northern section of NPBH

Karnup Road Closure

To ensure safety for road users and crews constructing the Karnup Road interchange as part of the NPBH, SGA has closed Karnup Road between Baldivis and Serpentine Roads in Karnup to December 2008.

Work to construct the interchange will involve importing large amounts of fill material to build the bridge and provide entry and exit ramps enabling improved access for local residents.

Traffic management measures are in place providing guidance for road users in proximity to the work site. Road users travelling west on Karnup Road can continue to access Baldivis Road via Serpentine Road, the start of the NPBH construction zone. Road users travelling east on Karnup Road can do so via Serpentine Road. On completion of the works, this section of Karnup Road and the newly constructed bridge will be opened to traffic. At this time Serpentine Road will become a cul-de-sac either side of the new highway.

Serpentine River bridge piling works

Construction of the Serpentine River bridge has now commenced. Work sites have been established on either side of the river within the NPBH road reserve, with a site office for staff located on the southern side.

To date, a total of 68 piles have been driven up to 18 metres into the ground using a hydraulic pile hammer. The steel tubular piles are filled with reinforced concrete. Piling works at Serpentine River north and south are now complete.

The Serpentine River bridge will consist of two separate structures – one northbound and one southbound. Each bridge will be 112 metres in length carrying two lanes of traffic. A principal shared path for pedestrians and cyclists will be provided on the northbound bridge.

Environmental impact has been reduced through an innovative incremental launch technique, where the deck of the bridge is cast as a series of sections stressed together and launched forward until the deck is complete. To reduce the construction period, both of the bridges (northbound and southbound) will be built in parallel and launched concurrently. The bridges will be built and launched from the southern side.

Visions of progress



Construction of the Serpentine River bridge

Further information

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Developments Southern section of NPBH

Murray River bridge piling works

Work on the Murray River bridge has gained momentum entering the next phase of construction with the commencement of piling activity. In late June 2007, the construction team commenced piling to provide solid foundations for the bridge. Throughout the course of construction 164 piles will be driven up to 21 metres into the ground using a hydraulic pile hammer.

To provide accessibility to the Murray River bridge during construction, a limestone working platform will be assembled on the northern side of the river, between Pinjarra Road and the foreshore. A second platform will be assembled on the southern bank incorporating a temporary finger groyne extending out into the river. The platforms and the groyne are expected to be in place for up to eight months and once removed the area will be revegetated upon completion of works.

An aerial view of southern section of the NPBH

