

This construction update has been prepared by the Houghton Highway Duplication Project team for residents, businesses and other parties who have an interest in the delivery of this landmark \$315 million project.

The project involves construction of a new 2.7km road, cycle and pedestrian bridge between Brisbane and Redcliffe and associated works. The project is being undertaken by Main Roads and its construction contractor, the Hull Albem Joint Venture, and is scheduled for completion in 2011 (weather permitting).

### Current works

- Construction of the new Houghton Highway bridge is progressing well. The concrete decks of the first three spans of the 78-span bridge have been poured, and support piers for spans 5-10 are currently being built in Bramble Bay.



ABOVE: THE FIRST SPAN OF THE NEW HOUGHTON HIGHWAY BRIDGE (FOREGROUND), READY FOR ITS CONCRETE DECK TO BE POURED.

Construction of the bridge support piers involves driving 25mm thick steel pile liners up to 39m into the seabed, partially excavating and filling these with concrete, then capping them with poured reinforced concrete columns and headstocks. Precast 80-tonne, 35m-long concrete girders are laid on top of the support piers as they are completed. The girders are moved into position by large gantry cranes that run along the falsework platform erected beside the bridge construction site.

- A barge has been anchored on the seaward side of the bridge construction site, in readiness to build a fishing platform in the main navigable channel into the Pine River. The fishing platform will be attached to the new Houghton Highway bridge.

- Roadworks are continuing around the Brighton end of the Houghton Highway. These include road widening works and construction of new concrete median barriers and pedestrian / cycle paths along Deagon Deviation, and reconstruction of the Hornibrook Highway between Deagon Deviation and Twenty-fifth Avenue.
- Construction of new pedestrian / cycle underpasses is continuing at both ends of the Houghton Highway. The underpasses will run along the Brighton and Clontarf seawalls beneath the existing and new Houghton Highway bridges.
- Land reclamation works are continuing at Clontarf Point. These works involve construction of a new rock, earth and concrete seawall and embankment, which will enable Main Roads to connect the new Houghton Highway bridge to its northern approach roads. The seawall is now complete, and filling and compacting of material behind the wall is in progress.



ABOVE: YELLOW GANTRY CRANES LIFT AN 80-TONNE, 35M-LONG CONCRETE GIRDER INTO POSITION OVER THE SECOND SPAN OF THE NEW HOUGHTON HIGHWAY BRIDGE.

### Traffic changes and other construction impacts

- Major traffic changes will be advertised prior to implementation.
- Temporary traffic lane closures will occur from time-to-time on Deagon Deviation near the intersection with the Hornibrook Highway at Brighton, and on Hornibrook Esplanade at Clontarf. At least one lane in each direction will remain open at all times. Two lanes will be open inbound during morning peak periods and two lanes outbound during afternoon peak periods. Speed limit reductions may apply, and traffic control will be provided as required.
- Traffic will be redirected around road reconstruction works being carried out on the Hornibrook Highway between Deagon Deviation and Twenty-fifth Avenue, Brighton, until February 2009 (weather permitting).

Temporary partial traffic lane closures will occur in this area from time to time, and short delays should be expected. Temporary detour paths around the roadworks will be provided for pedestrians and cyclists. Speed limits may be reduced to 40km / hour in the roadworks area. Traffic changes will be signed, and traffic controllers will be in place to direct motorists, pedestrians, and cyclists as required.

- Delivery of oversize bridge girders to the Decker Park construction site will take place approximately twice a week between 2am and 5.30am until mid 2010. Deliveries will block the intersection of the Deagon Deviation and Hornibrook Highway at Brighton for five minute periods. Traffic control will be provided by escorting police.

- Access for swimmers, boats, and personal watercraft is restricted around all Houghton Highway worksites in Bramble Bay. Notices to Mariners advising of major changes to local boating access and speed / navigation conditions will be issued by the Harbourmaster.
- Sections of Decker Park at Brighton and the foreshore parkland at Clontarf Point have been fenced, and are not accessible to the community during construction. Traffic control will be provided where vehicles are required to cross pedestrian footpaths from time-to-time.
- Pedestrian and cycle access has been closed beneath the Brighton and Clontarf ends of the existing Houghton Highway bridge during construction. Signed detours are provided.
- Construction involves the use of heavy machinery / tools (e.g. pile driving hammers, excavators and trucks) which may cause increased noise, dust and vibration at times around work sites. The project team will conduct regular monitoring of these impacts to ensure they are within prescribed limits.

### Upcoming works

- Construction of spans 5-10 of the new Houghton Highway bridge will continue. These works will include completion of support piers, installation of girders, and pouring of the concrete bridge deck. The falsework platform alongside the bridge construction site will be 'leapfrogged' forward across Bramble Bay as these works progress.
- Driving of piles for the new Houghton Highway bridge fishing platform will commence in early November 2008 (weather permitting).
- Installation of piles for the northern abutment of the new Houghton Highway bridge at Clontarf Point will commence in late November – early December 2008 (weather permitting).
- Roadworks will continue around the Brighton end of the Houghton Highway.
- Construction of new pedestrian / cycle underpasses will continue at both ends of the Houghton Highway.
- Land reclamation works will continue at Clontarf Point.

### More information

- General enquiries.....Phone 1800 626 976 during business hours (toll free in Australia)  
Email [houghtonhighway@mainroads.qld.gov.au](mailto:houghtonhighway@mainroads.qld.gov.au)
- Project plans/information ..... [www.mainroads.qld.gov.au](http://www.mainroads.qld.gov.au) (search projects for Houghton Highway)
- Urgent or after hours enquiries.... Phone the Project Manager on 0418 785 370
- Site office..... Phone (07) 3269 0109 during business hours

Please take care when travelling through the construction site. Observe any changed speed zones and be aware of the workforce delivering this project. We thank you for your interest in the project.

### CLAYTON SMITH

PROJECT MANAGER, HULL ALBEM JOINT VENTURE