

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).



ABOVE: CONSTRUCTION OF THE FIRST SPAN OF THE NEW HOUGHTON HIGHWAY BRIDGE UNDERWAY IN BRAMBLE BAY

Current works

- Construction of the first span of the new Houghton Highway bridge is now well underway. The bridge is being built 35m east of the existing Houghton Highway, and will comprise 78 spans (or segments), supported by 154 foundation piles and 624 massive concrete girders.
- The support piers of the first span of the bridge are being built in Bramble Bay. These works involve driving 25mm thick steel pile liners up to 39m into the seabed, partially excavating and filling the liners with concrete, then capping them with poured reinforced concrete columns and headstocks.
- Large gantry cranes are being erected on the falsework platform alongside the bridge construction site. These will be used to lift eight 35m-long, 80-tonne precast concrete girders onto the completed piers of each span of the bridge throughout construction.
- Earthworks and preliminary roadworks are underway around the Brighton end of the Houghton Highway. These include construction of new concrete pedestrian / cycle paths along Deagon Deviation.
- Construction of new pedestrian / cycle underpasses is now in progress 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.
- Reclamation of a section of the Moreton Bay Marine Park is in progress 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. Construction of the seawall is now well advanced, with armour rock being installed along the front face of the wall in Bramble Bay.

Traffic changes and other construction impacts

- 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 bridges during construction. Signed detours are provided.
- Temporary traffic lane closures are expected on Hornibrook Esplanade, Clontarf to allow trucks to enter/exit the worksite. Traffic control will be provided 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 from early September 2008 to mid 2010. Deliveries will block the intersection of the Deagon Deviation and Houghton Highway at Brighton for five minute periods. Traffic control will be provided by escorting police.
- 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 the first spans of the new Houghton Highway bridge will continue. Works will include completion of support piers, installation of girders, and pouring of the concrete bridge deck.
- Earthworks and preliminary 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 and seawall construction works will continue at Clontarf Point.

More information

- General enquiries..... Phone:1800 626 976 during business hours (toll free within Australia)
Email: houghtonhighway@mainroads.qld.gov.au
- Project plans/information 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