

# Breakwater Bridge Project

## CONSTRUCTION UPDATE

September 2011

*The realignment of Breakwater Road is a 1.3km long project starting at the Barwon Heads Road intersection and linking directly to Fellmongers Road in Breakwater. It includes a new bridge which will span the Barwon River and Geelong-Warrnambool rail line.*

*The \$63 million project to reduce flooding impact and remove the height restriction on the Barwon River crossing is expected to be completed late 2012. VicRoads has contracted McConnell Dowell to construct the new alignment.*

### **New supervisor for residential area**

With works increasing around Tucker Street, Fellmongers Road and Tanner Street, a Supervisor has been appointed to manage the works around this area and is responsible for ensuring that footpaths are made safe and residents can safely access their property at the end of each day.

The current scope of work underway in this area includes the continuation of service relocation (moving power conduits) along Tucker Street and Fellmongers Road and the preparation of Lawless Court for the new intersection with Fellmongers Road.

Due to the nature of the works, there will be interruptions to resident access, pedestrian and traffic movements however, VicRoads and McConnell Dowell are working closely with the other service authorities to minimise the impact where possible.



Bridge construction approaching Breakwater residential area

### **Bridge Beam Installations October**

Bridge Beams will be installed in October for spans 11-12 and require early morning starts (from 3am) for approximately five days. Local residents will receive notice of the actual date of beam installations the week before the event.

Local residents and businesses may notice the noise associated with the transporting and lifting of beams and an increase in lighting on site. We apologise for the disruption these works may cause and will take reasonable steps to reduce the impact of the works.



Western approach Box Culvert installation

### **Box Culvert Installations**

A significant design feature of the Breakwater Bridge is the installation of 453 box culverts under the western approach.

The box culvert sections are designed to maintain the integrity of the natural water flow in the area and help mitigate local flooding.

Work on installing these box culvert sections is well underway and is expected to be completed in September.

This is a major milestone for the project and signals the final stages of construction for the western approach.

### **Pathway Closure in September**

A single day closure of both the western and eastern river side paths is required to complete Pier 3 and Pier 4 concrete pours. The dates are yet to be confirmed but it will be later this month and notice will be provided on local signage approximately four days prior to the event. Local recreational groups will also be alerted to the closure via email. If you would like to receive this email notification please send your email address to [breakwater@macdow.com.au](mailto:breakwater@macdow.com.au)

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### Public Information Day, 27th August 2011

VicRoads and McConnell Dowell held a public information session from 12pm to 4pm at the Barwon Heads Golf Club on Saturday 27th August, 2011.

The information session was attended by approximately 100 members of the community and members of the McConnell Dowell and VicRoads project teams were on hand to answer questions.

The most popular display from the information session was the timelapse photos from the recent river span installation.



Looking west down the newly constructed bridge decking.  
Spans 2 to A1

### Summary of Progress;

- Fabrication of precast box culvert units 100% complete
- Construction of Precast Beams 70% complete
- Completed preparation of works for the installation of box culverts (drainage on western approach)
- Completed Load Transfer Platform over the area which required ground improvement (CMC)
- West Abutment backfilled
- Demolition of old Motorcross buildings and levelling of the site
- Completed all piling works adjacent to the rail
- Completed the final pilecap
- Installed Bridge Beams for 16 of the 19 bridge spans
- Completed deck works for 8 of 19 bridge spans
- Completed Sewer and Water relocation – Lawless Ct, Tucker St & Fellmongers Rd.
- Completed Gas relocation Lawless Ct.

### In the coming weeks the following works are planned;

- Continue Power relocation works in Fellmongers Road
- Continue Gas relocation Tucker St & Fellmongers Rd
- Commence Telstra relocation – Lawless Court, Fellmongers Rd
- Commence and complete Box Culvert installation
- Complete placement of fill at embankment & west abutment areas
- Complete pier 3 & 4 superstructure (pathway closures required)
- Continue pier column & crosshead construction (pier 12)
- Complete East abutment deflection wall and commence building retained earth wall
- Install Bridge beams spans 11-12
- Continue bridge deck construction (span 6-10)



Pier 12 - columns and crossheads to be completed in September

*If there are any concerns or questions about the construction activities please contact the McConnell Dowell site office on (03) 5223 8400.*

*For all other project related enquiries phone the VicRoads South West Region office on (03) 5225 2525.*