

Breakwater Bridge Project

CONSTRUCTION UPDATE

April 2012

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 spanning the Barwon River and Geelong-Warmambool rail line.

The \$63 million project will reduce flooding impact and remove the height restriction on the Barwon River crossing is nearing completion.

Finishing touches

The Breakwater Bridge Project is nearing completion with the final stages of works currently being undertaken.

The coming weeks will include bridge asphaltting and completion of the pedestrian paths. Motorists may experience some minor traffic interruptions around the intersection of Fellmongers and Tucker Street while this work is completed.

Our sincere thanks to residents and motorists for your continued patience as we undertake these finishing touches.

Summary of April Progress

- Bridge railing and pedestrian railing fabrication complete and 95% installed
- Traffic signalling and public lighting foundation installed
- Tucker Street intersection centre median strips, islands and kerbs installed
- Installation of kerb and channel and asphaltting of the western end of Breakwater Road ongoing.
- Reinstatement of the access and fencing around the rail line complete
- Painting 95% complete
- Preparation and placement of crushed rock for northern shared user path
- Reinstatement of gully under pier 12.

Continuing works

- Emergency access track, guard rail installation and asphaltting
- Installation of public lighting and traffic signals
- Asphaltting of both the western and eastern ends of Breakwater Road, the bridge deck, Fellmongers Road intersection and shared user paths
- Pedestrian paths at the western end of Breakwater Road
- Removing haul roads and equipment and general clean up of site
- Reinstatement works at the river and under bridge piers 3 to 11.



Aerial view April 2012



Aerial view April 2012



Completed western approach

If you have 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.

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Interesting facts:

- 50,000m³ of fill material used for earthworks
- 2885 piles installed as part of the foundations
- 10,600m³ of concrete & 1240 tonnes of steel reinforcing as part of the bridge structure
- 146 precast beams
- 474 precast parapets & barriers
- 2.2km of bridge railing & pedestrian railing
- 6400 tonnes of asphalt
- As at 15 April 2012, 170,800 man hours had been worked to deliver the Breakwater Road and bridge project and over 650 workers had been inducted into the project.

Summary Project Milestones:

August 2010 – contract awarded to McConnell Dowell.

November / December 2010 – cleared the site, including installation of haul roads & crane pads ready for heavy plant & equipment.

January 2011 - commenced piling works.

March 2011 – commenced ground improvement works (Controlled Modulus Column) at the western end.

April 2011 - implemented temporary diversion along Breakwater Road.

Commenced installation of coffer dams for piers 3 & 4 foundation works at the river.

May 2011 – completed driven pile works and received the first delivery of T-Beams.

June 2011 – commenced works at Lawless Court.

July 2011 – carried out major service relocations along Fellmongers Road & Tucker Street intersections.

August 2011 – bridge spans over the river installed.

September 2011 – commenced construction of RE-Wall at the eastern end of the project.

October 2011 – completion of bridge pier construction, box culverts installation & ground improvement works on the western end.

November 2011 – final bridge beams installed commenced works along Fellmongers Road

December 2011 – commenced installation of bridge parapets & barriers.

February 2012 – commenced asphaltting of Fellmongers Road.

March 2012 – re-instated rail corridor & gully under pier 12.

April 2012 – completed installation of barrier & pedestrian railing

May 2012 – asphaltting of bridge deck & line marking, placement of public lighting & traffic signals.



January 2011 commenced piling works



July 2011 aerial photo of progress



January 2012 aerial photo of progress