

MIDLAND HIGHWAY IMPROVEMENTS



DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES

NOVEMBER 2010



Brighton Interchange looking southbound

The Australian Government has provided \$173.5 million for the Brighton Bypass project. The State Government has contributed \$2.5 million to the Bypass and \$77.365 million to fund the Brighton Transport Hub.

This is the largest ever road infrastructure project to be undertaken in Tasmania with a total project value of \$253.37 million.

The John Holland / Hazell Bros Joint Venture is constructing the southern section of the Bypass which runs from the junction of the Midland and East Derwent Highways at Bridgewater to just past the northern end of the new Glenstone Road. The southern section also includes the construction of the Brighton Transport Hub. The VEC Thiess Joint Venture is building the northern section of the Bypass which extends from just past the northern end of the Glenstone Road to south of Shene Road at Pontville.

Work on both sections of the Bypass is progressing well with the southern end due for completion in March 2011. Many construction activities on the northern section are ahead of schedule as well, in particular work on the Strathallan Rivulet and Rifle Range Bridges. Other key work will continue on the northern section while the issues of the Jordan River levee permit are considered.

The Brighton Bypass is a highly significant project for Tasmania. Not only is it good for the Tasmanian economy, but also has a key emphasis on the sustainability of resources and environmental protection. For example, most of the rock from excavated sites has been crushed on site and has been or will be used as base material for the new highway. Also, where large excavation has occurred, the material has been used in other parts of the project as fill. This has meant less heavy vehicles on our roads in the region, less wastage and value for money.

The use of 'bio-retention' ponds is a great example of the importance placed on strong environmental management on the project. These ponds are landscaped features adapted to treat stormwater runoff on construction sites. They work by directing surface runoff into shallow ponds which are designed to mimic natural eco-systems in the wild.

So overall what will the Brighton Bypass do for Tasmania?

- › It will result in long term safety benefits for drivers;
- › It will reduce traffic volumes through Brighton making the town centre safer and improving public amenity;
- › It has the potential to attract further investment to the region;
- › It has significant benefits for road and freight transport operations in Tasmania in conjunction with the Brighton Transport Hub.

AT A GLANCE

Project	Completion
Bridgewater Bridge Refurbishment	Dec 2010
Brighton Transport Hub	Late 2011
Brighton Bypass:	
Southern Section	March 2011
Northern Section	
- North of Tea Tree Road	End of 2011
- Jordan River	Subject to permit process
Bridgewater Bridge Replacement planning	June 2011
Bagdad Bypass planning	June 2011



Australian Government

Nation Building Program

Tasmania
Explore the possibilities

BRIGHTON TRANSPORT PROJECTS



BRIDGEWATER BRIDGE REFURBISHMENT

Description	Repairs to the bridge deck, beams and supporting structures, mechanical and electrical repairs and restoration of the lifting mechanism.
Funding	\$12 million Australian Government funding.
Benefits	Extends the life of the bridge until a new bridge can be built. Boats will be able to travel under the bridge once more.
Construction started	August 2009
Scheduled for completion	December 2010

BRIDGEWATER BRIDGE REPLACEMENT

Description	Planning of a new crossing across the River Derwent.
Funding	Forms part of a \$6.2 million Australian Government Funding package which also includes planning for the Bagdad Bypass.
Benefits	Delivering safer and more efficient travel and transport on the Midland Highway. Efficient planning means the project will be construction ready once funding becomes available.
Planning started	April 2009
Planning scheduled for completion	June 2011
Other issues	This is a long term project which is in the planning stage only. Construction depends on funding from the Australian Government.



BAGDAD BYPASS

Description	<p>The project involves planning of a Bagdad Bypass. It will start at Pontville, joining with the northern end of the Brighton Bypass and will rejoin the existing Midlands Highway on the northern side of Constitution Hill at Dysart. The total length of the Bypass is about 16 kms.</p> <p>The Bypass includes:</p> <ul style="list-style-type: none"> • A two lane roadway with some overtaking and climbing lanes; • Earthworks to prepare for a future dual carriage way; • Bridges over Shene Road, Ballyhooly Road, Chauncy Vale Road and East Bagdad Road.
Funding	Forms part of a \$6.2 million package which also includes planning for a new River Derwent crossing.
Benefits	Delivers safer and more efficient travel and transport on the Midland Highway. Increased safety through historic towns.
Started	April 2009
Scheduled for completion	June 2011

BRIGHTON BYPASS

Description	Duplication of Midland Highway from East Derwent Highway / Midland Highway roundabout at Bridgewater to south of Shene Road, Pontville.
Funding	<p>\$176 million</p> <p>\$173.5 million Australian Government Funding. \$2.5 million from the Tasmanian Government. Project managed by the Tasmanian Government.</p>
Benefits	The Bypass will provide safe and efficient movement of people and freight in the region. It will cut travelling time and improve connections to the Brighton Industrial Estate. With traffic diverted out of the Brighton Business Centre, the community in particular school children will be safer.
Construction started	January 2010
Construction scheduled for completion	<p>Southern Section - March 2011.</p> <p>Northern Section - North of Tea Tree Road - End of 2011.</p> <p>Jordan River - Subject to permit process.</p>

BRIGHTON HUB

Description	Construction of a modern road-rail facility and freight distribution hub at Brighton.
Funding	\$77.365 million Tasmanian Government Funding.
Benefits	Reduced turnaround times for trains travelling from northern ports. More efficient freight handling.
Construction started	January 2010
Construction scheduled for completion	Late 2011



Pre-cast yard - Rifle Range Road beam

PRE-CAST YARD BENEFITS THE BRIGHTON COMMUNITY AND SAVES TIME AND MONEY...

A pre-cast yard has been running smoothly now for some months, pouring the super T-beams needed for the construction of the many bridges being built along the Brighton Bypass.

Conveniently located on Boral Quarry land at Brighton, the precast yard has been built by the VEC Thiess Joint Venture and is employing about 10 people many of whom are from the region.

The pre-cast yard offers the advantage of on-site manufacturing of bridge beams which saves construction time on the Bypass and will also save money.

The pre-cast yard is manufacturing 174 super T-beams in total for the Brighton Bypass. These beams are on average about 30 metres long and weigh about 60 tonnes. So the task to move these beams is quite challenging.

Not only is the precast yard a time and money saver but it supports the philosophies behind all of the Midland Highway Improvement projects in Bridgewater and Brighton; to provide value for money, ensure sustainability of resources and to focus on innovation. The precast yard lives up to all these ideals.



Bridgewater Bridge

BRIDGEWATER BRIDGE: OLD ICON GETS A MAKEOVER...

If only the old bridge could talk, she could tell you some wonderful tales of rail and shipping mishaps, joyous events, stories from our fine feathered friends and much more.

The most recent tale would be about her new paint work, her mechanical overhaul and her soon to be restored lift span so that boats can once more travel upstream.

The Bridgewater Bridge Refurbishment Project has been very challenging. As the bridge is old, many technical issues have arisen without any warning and recent windy weather has prevented our contractors from working on occasions. But there is a bright side...only one set of night closures to go and then we are on the home stretch!

The next set of closures has now begun and will continue until 11 December 2010 unless otherwise signed.

Emergency Services will have access to the bridge where feasible, however, bicycles and pedestrians will not be allowed to use the bridge during the night closures.

Until the work is completed please consider using either the Bowen Bridge or the New Norfolk Bridges to cross the River Derwent.

We expect the project to be completed in December 2010 to provide summer access to areas upstream and we thank you for your continuing patience.

DID YOU KNOW?

The Brighton Bypass includes:

- › About 9.5 kms of new highway.
- › 11 new bridges including 4 rail underpasses.
- › 1,530,00 cubic metres of excavation.
- › A new shared pedestrian and bike path.
- › Bridge designs that include architectural features reflecting the landscape.
- › New landscaped areas to enhance the region and on-site stormwater treatment.
- › Heritage and environmental conservation area.

The Brighton Transport Hub:

- › A paved area which is 25,000m² - a little bigger than the MCG which is 20,000m²!
- › Paved area will include more than 1 million brick pavers.
- › Over 750,000 cubic metres of material was moved to make the area level.
- › The Hub will be accessed via two large interchanges namely the Brighton Interchange and the Industrial Estate Interchange.

The Bridgewater Bridge Refurbishment has included:

- › Replacement of 24 counterweight ropes.
- › Replacement of 16 operating ropes.
- › Over 200m² of repairs to the deck and bridge piers.
- › Installation of the new electrical mechanical lift span operating equipment.
- › Removal of lead paint and repainting of the bridge's approach spans totalling a surface area of 7,500m² and using 5,700 litres of paint.



Tea Tree Road Interchange looking north



The hub looking north



View from the Bridgewater Bridge

ONE IN A MILLION...

On 10 September 2010, the Minister for Infrastructure, Lara Giddings, celebrated progress on the construction of the \$77.365 million Brighton Transport Hub by ceremonially laying one of more than one million brick pavers.

The paved area of the Hub is 25,000 square metres - roughly equivalent to the size of the MCG.

The Tasmanian Government-funded project involves the construction of a modern road-rail facility and freight distribution hub to the west of the Brighton Industrial Estate.

"The Hub will be a modern facility allowing freight to be seamlessly transferred between road transport and rail and enable efficient movement of freight to and from the northern ports," Ms Giddings said.

"Construction of the Hub began in October 2009 as part of the southern section of the Brighton Bypass being built by a joint venture between John Holland and Hazell Bros.



Lara Giddings, Minister for Infrastructure, meets with project team members at the event
Inset - The first Hub paver laid by the Minister

Work is ahead of schedule and infrastructure for the Hub is expected to be completed later in 2011.

"Access to the Hub will be via the Brighton interchange to the north and the industrial interchange to the south.

Ms Giddings said that a massive 750,000 cubic metres of earth had been excavated

to prepare a level area for the Hub.

"Hundreds of pieces of machinery were involved, with 50 excavators alone working on the site. Also used was a Caterpillar D11, the largest bulldozer in Australia.

"This work has created employment in the region, with about 180 workers on site at present, including 30 rail workers."

THE JORDAN RIVER LEVEE

- › In 2008, Aboriginal artefacts were found at the Jordan River levee. Dating of these artefacts shows they are up to 40,000 years old.
- › The Tasmanian Government has proposed the construction of a bridge with a 70-metre span to avoid the levee at an additional cost of \$12 million.
- › An application for a 'Permit to Interfere' was lodged with the Director of National Parks and Wildlife for consideration in June 2010.

The Jordan River levee will not be disturbed.

- › On 5 October 2010 the Director of National Parks and Wildlife made a range of recommendations to the Minister including that the bridge be built.
- › The Minister for Environment, Parks and Heritage called for public submissions which closed on 22 October 2010. The Minister will make a decision in due course.
- › **For further information visit www.dpipwe.tas.gov.au/brightonbypass**



Come and see us at the Brighton Show!

7th November 2010

- › Loads of information for the Mums and Dads
- › Balloons and treats for the kids

Come along and see our project managers about the Brighton Bypass, the Bagdad Bypass, Bridgewater Bridge and more...

Just enter the hall and follow the signs past the Hall of Industry.

Hope to see you there!



WHERE CAN YOU GET MORE INFORMATION

From the Midland Highway Improvement Project Office,
66 Midland Highway Brighton;

Contact the Midland Highway Improvement Projects Hotline on 1800 056 112.

or by visiting

http://www.dier.tas.gov.au/major_projects/brighton_transport_projects