

MASTERS OF TRANSPORTATION

DEVELOPER : Public Transport Victoria
MAIN CONSTRUCTION COMPANY : John Holland
PROJECT VALUE : \$66 million



The upgrade to Ringwood Station includes the reconstruction and expansion of the bus interchange, creation of a new landscaped station forecourt with improved lighting, secure bicycle facilities and CCTV, as well as preservation of heritage-listed station buildings with upgrades to allow for continued use.

Utilising the multi award winning skills of John Holland was a natural choice for the \$66 million Ringwood Station and Bus Interchange redevelopment.

John Holland Group is Australia's leading engineering, contracting and service provider company who is well recognised for the quality of its infrastructure and engineering solutions. They've grown from humble beginnings back in 1949 when the founder, Sir John Holland commenced engineering field operations in Victoria.

Over the years they've diversified and delivered a range of significant projects in every Australian state and territory, working in all environments – ranging from remote environments to densely populated urban areas producing such highlights as Canberra's Parliament House, the Sydney Entertainment Centre, the Onshore LNG Facility in the Northern Territory and Australia's largest road infrastructure project EastLink in Melbourne.

Many of these projects have necessitated in overcoming complex technical, physical and logistical challenges across the full spectrum of infrastructure, construction and engineering works for both public and private clients. And the major upgrade of Ringwood Station and Bus Interchange is no different.

"Like the EastLink project we're aiming that this one will also set a new benchmark in safety and environmental management, cost-efficient delivery and with limited disruption to surrounding communities and stakeholders. By being involved early in the project we can reduce risk exposure and maximize the rate of return for projects," said Executive General Manager, Rail, Richard Stewart.

John Holland's services extend across the project life-cycle spectrum and they work collaboratively with their customers to define and develop concepts, validate, fund and deliver a full range of engineering construction and operations services.

"One of the key points of differentiation from our peers is the extent, depth and breadth of our service offering," said Richard. "Coupled with the strength of our internal collaboration model, it allows us to effectively and efficiently deliver infrastructure and engineering solutions."

The Ringwood Station and Bus Interchange upgrade began in September 2014 with the demolition of the disused shops in Railway Place. The project is expected to be completed by early 2016 and includes:

- a major upgrade of Ringwood Station to provide full accessibility and improve amenity and shelter
- a pedestrian concourse providing 24-hour access over the railway line
- stairs, ramps, lifts and an escalator to provide access to the platforms and concourse
- preservation of the heritage-listed station buildings with upgrades to allow continued use
- reconstruction and expansion of the bus interchange
- new toilet facilities and waiting rooms
- creation of a landscaped station forecourt
- improved safety with additional lighting and CCTV
- a new signalised pedestrian crossing of Maroondah Highway, with more frequent crossing opportunities
- vastly improved pedestrian and cycling facilities along the Maroondah

Highway and Station Street

- improvements to the road environment to create a 'boulevard' between Ringwood Street and Warrandyte Road.

"By utilising our in-house engineering expertise we are able to create value for our customers and provide services through the entire project lifecycle," said Richard. "This work will compliment our earlier award-winning work on the EastLink too."

John Holland's operations span a large range of diverse sectors. This means that they often bring experience and skills acquired in one sector to another to create innovative, enduring and cost-effective solutions for customers. The sectors they operate in include: Civil and Buildings; Electrical and Instrumentation; Energy; Marine; Mechanical and Process; Rail Construction; Operations and Maintenance; Tunneling and Water and Wastewater. No doubt, John Holland will continue to strive to intensify their efforts to reach new frontiers of ingenuity and innovation in every project they deliver in the future.

For more information contact John Holland Corporate Head Office, Level 5, 380 St Kilda Road, Melbourne VIC 3004, phone 03 8698 9400, fax 03 9696 1873, website www.johnholland.com.au

Below KBR provided engineering and project management services for the project.

Below Safeworking Solutions provided a safe and efficient work environment on the project.



KBR is one of the world's largest and most diverse providers of engineering and project management services.

For decades it has been the company that customers turn to for their most challenging assignments and the \$66 million major upgrade of Ringwood Station and Bus Interchange redevelopment is one such project. Beginning in September 2014 with the demolition of the disused shops in Railway Place, the project will be completed by early 2016.

As the lead design consultant, KBR undertook engineering design, management and documentation for the construction of the new and upgraded facilities including track, overhead traction, civil structures, road design and utilities services.

“We have been supporting Australian clients across the transport, water and resources industries for almost 50 years,” said Ray Mahony, Director, Transport and Buildings, Engineering & Construction Australia. “We are proud of our involvement in the Ringwood Railway Station and Bus Interchange Upgrade which delivers a safe, reliable and efficient transport hub for commuters.”

KBR's portfolio also includes engineering solutions for some of the nation's most complex urban and regional rail projects including Sydney Metro Northwest, Melbourne's Regional Rail Link and the Goonyella to Abbot Point (GAP) Expansion Project in Queensland.

“At KBR, we have the experience and technical expertise to safely deliver projects on time and within budget, with minimal disruption to the community and existing operations,” added Ray. “Whatever the assignment, no matter how complex or demanding, KBR can marshal resources to respond quickly and effectively to changing markets and customer needs.”

For more information contact KBR, Level 3, 441 St. Kilda Road, VIC 3004, Australia, phone 03 9828 5333 fax 03 9820 0136, website www.kbr.com

Significant ongoing changes in the rail industry during the past 20 years allowed Safeworking Solutions (SWS) to create a premium niche service that was nearly lost in the privatisation process. Built on the experience and contacts of dedicated staff, SWS now provides clients with a safe and efficient work environment on rail reserves with minimal disruption to the rail network.

“We've demonstrated the capacity to operate as effective team members, often under the most difficult and challenging circumstances,” informs Romney Talbot, Manager of Business Operations. “This has proved to be of great value on construction and maintenance activities across the Suburban and Regional Victorian rail networks.”

Since the beginning SWS have been working closely with John Holland, providing rail safety protection for all workers, plant and equipment around the train lines. SWS also hold electrical permits for the overhead and underground electrical services when isolations are required.

“When we design a work method safety plan for a project there are no surprises. It will work as we have described,” Romney explains. “Learning about the traps of working in the rail environment can be devastatingly expensive and no one wants mistakes like this on a project. We ensure

friendly, open discussion at the tender stage and have the experience to successfully implement.”

SWS are a responsive, action oriented and dynamic organisation. Their personnel have up-to-date competencies and deliver industry best practice results. They understand that clients need assurance and that critical suppliers have appropriate systems in place for the management of safety and quality.

“We plan the implementation, monitoring and review process for working on the rail passage. Our skills allow minimal disruption to the rail network while allowing the client to get the job done. We listen to the clients needs and design the best possible plan. We also provide Level 1 TTSA training for various project members throughout the project.”

Simply put — Safeworking Solutions are your one stop shop for your rail safety requirements. They are the experts when it comes to safety on the Victorian, South Australia and New South Wales Rail Network.

For more information contact Safeworking Solutions Pty Ltd, 3 Ryland Avenue, Croydon VIC 3136, phone 1300 720 934, fax 1300 720 935, email admin@railsws.com.au, website www.railsws.com.au

Below Close Commercial Services provided and installed panel roofing systems for the Ringwood Station.

Below Granite Works provided paving for walkways on the Ringwood Station and Bus Interchange project.



Operating in Australia for 21 years Close Commercial Services Pty Ltd (CCS) now specializes in metal roofing, Askin, Kingspan, Multicell polycarbonate roofing systems and Ortech installation and Panel Roofing Systems. CCS has grown to service the commercial sector, building a solid reputation for performance and professionalism and are well recognised and respected within the construction industry — hence their involvement in the \$66 million upgrade of the Ringwood Station and Bus Interchange.

“At Ringwood we used Kingspan and Everbright roofing systems over all roof areas, ramps, platform canopies and cross concourses,” informed Director Jason Close. “The Everbright roofing system is relatively new to Victoria. This is one of the first major projects we’ve used it on.”

“We pride ourselves on our quality of workmanship within the building industry. We can ensure that all work conforms to industry approved standards, Occupational Health and Safety standards, as well as regulatory requirements,” said Jason.

For more information contact Close Commercial Services Pty Ltd, Factory 4/30 Network Drive, Carrum Downs VIC 3201, phone 03 9770 8416, fax 03 9770 8419, website www.closecommercial.com.au



Granite Works has provided extensive Granite and Bluestone to the Ringwood Station and Bus Interchange redevelopment. This high profile project required hard surfaces for the new pedestrian concourse, landscaped station forecourt and pedestrian crossing.

Granite and Bluestone (Basalt) were selected for this premier project as they are two of the hardest wearing and durable paving products available. As this project was considerable in size and subject to public scrutiny in the future the key to its success was in the supply and that’s where Granite Works came in.

“This was a massive undertaking; we had to supply over 650 tonnes of Granite and Bluestone to this project.” says Simon Leslie of Granite Works. “With very limited time frames as some areas were open to our client for construction on very specific days. We were able to produce it and have it stored and ready for delivery when called upon inside three months for the entire project. With zero delays we have still maintained a quality product without compromise”

Granite Works have their own quarries and also work closely with other manufacturers to benefit their customers. Most granite

is quarried in huge blocks, making it possible for Granite Works to achieve sizes that are otherwise unfeasible with other natural stones.

Granite Works has an enormous range of Natural Stone. “Our basic range consists of colours from white, grey, black, green, yellow, orange, burgundy and much more. There’s a colour to suit almost every need” There is also a vast range of textures and partnered with the colour range the options are endless.

Granite Works have been supplying natural stone for over 15 years. Whether it’s a large scale commercial project, such as the Ringwood Station and Bus interchange, or a highly detailed small scale project, Granite Works are the leaders in the industry. Granite Works experience and knowledge really does set it apart from its competitors.

For more information contact Granite Works Pty Ltd, 53 Renver Road, Clayton VIC 3168, phone 03 9813 5999, fax 03 9813 5399, website www.graniteworks.com.au

Below Trafficca provided traffic control services to the Ringwood Station redevelopment.



Ringwood Station & Bus Interchange, VIC



Since 2006 Trafficca has been managing significant traffic and event management projects for key businesses across Victoria. On the \$66 million Ringwood Station and Bus interchange upgrade 60 professionally trained Trafficca employees provided expert traffic and pedestrian management, while also interfacing with local business and the many public transport users.

“Our major challenge was maintaining productivity and public transport client access to a major railway station without compromising the safety of the public and workers,” said Trafficca General Manager, Anthony Simmons. “Our companies success on this project can be directly attributed to our employees high level of Major Project experience.”

Trafficca is a VICROADS pre-qualified traffic management company that has grown to become one of the leading traffic management and solutions services in Victoria. Employing 105 fully trained traffic controllers they provide quality, dedicated services with a focus on safety and risk control for a variety of clients. “Your risk on the road is our concern,” said Anthony. “At Trafficca we work to minimise that risk through staff training, resources and technical expertise.”

Trafficca is an innovative service provider that occupies a niche market with a focus on Major Projects. Using professional traffic management plan software Trafficca tailors each management plan individually to their customer’s requirements taking into account local Council and Government traffic control requirements.

“Our combination of technical expertise, flexibility and innovation is a key differentiator from our competition,” Anthony ensured. “We pride ourselves in meeting strict quality, environmental and safety guidelines in line with our 3rd party certified management system. It’s now reflected by our repeat clients.”

Trafficca has the solutions for all road, rail transport traffic management projects and also event traffic management solutions. If you need to protect long or short term work sites, events or if you have an emergency situation, Trafficca has the ability, equipment, experience, knowledge and dedicated staff to assist in every way.

For more information contact Trafficca, 7 Gabrielle Court, Bayswater North VIC 3153, phone 03 8750 0920, website www.trafficca.com.au