

BENDIGO HOSPITAL PROJECT

Special lift-out, Spring 2016

WELCOME SIGHT: New equipment such as the MRI unit starts to arrive for installation at the new hospital.

Taking delivery

From outside, the new Bendigo Hospital is certainly taking shape. And on the inside, there's a hive of activity as the rooms start to fill with all the appropriate gear... from monitors to scanners, beds to bedside tables.



THIS type of operation, and the scale of it, requires a meticulous, detailed, process and intensive scheduling. In fact, before the new healthcare facility opens, at least 15,000 pieces of new furniture, equipment, and information and communications technologies will be moved in.

On the ground floor, where the medical imaging department will be located, major equipment is being placed into position, such as the new magnetic resonance imaging (MRI) unit. Made by Siemens and airfreighted to Australia, this is one of two MRI scanners that will be used in the medical imaging department at the new facility, with the second being transferred in December from the current hospital.

A 70-tonne crane was used to lift the MRI this month, which was manoeuvred through a large glass façade area, an opening that's been specifically designed to transfer large equipment in and out of the new building.

"It's a huge undertaking, one that takes a united, team approach – and it has to be carried out very methodically," she said,

"We've been working with Bendigo Health to shape a world-class hospital, and that means going through a comprehensive consultation, tender and selection process for equipment – to ensure that installations are planned well and operate seamlessly when the hospital opens."

The medical imaging department has also seen the delivery of x-ray equipment and a computed tomography (CT) scanner. This all follows a mass installation of general equipment in recent weeks, which included hundreds of beds as the inpatient rooms materialise. Also, forming an essential part of the new hospital's fully-integrated patient monitoring system, 229 monitors arrived, and have been installed this month.

The new cancer centre, also on the ground floor, now features two linear accelerator (LINAC) units



BED TIME: A delivery of more than 200 beds is making for busy times at the new hospital.

“It's a huge undertaking, one that takes a united, team approach – and it has to be carried out very methodically”

On the project site, a specialised team has led an 18-month consultative process, working with clinicians, architects, healthcare planners and engineers to ensure all assets fit appropriately into the new facility. This means all the furniture, fittings and equipment have been systematically assessed and selected based on criteria such as appearance, quality, clinical suitability, physical practicality and compatibility within each relevant hospital zone. Equipment using the latest technology has also been a focus for the team – especially in departments such as medical imaging, where advances and breakthroughs in digitally-based diagnostic equipment are occurring constantly.

According to Exemplar Health chief executive, Michele Morrison, planning for all the furniture and equipment for a new hospital is an enormous, complex task.

that have been installed for use in radiotherapy treatment. These have been positioned in specifically designed bunker rooms in the new facility.

On level one of the new hospital, the central sterilisation department (CSD) has been fitted out with washing and sterilising equipment, while on the same floor, newly arrived surgical tables and anaesthetic equipment are starting to become visible in the operating theatres.

During this phase stringent security measures continue to safeguard all new assets, protecting them from the damage. Also, some furniture and equipment will be transferred from Bendigo Health's current facility, and staff groups are busily planning inventories of what is deemed to be fit-for-purpose for the new hospital environment.



INSTALLING: Bendigo Health acting chief executive, Robyn Lindsay, Member for Bendigo East Jacinta Allan MP and Bendigo Health board chairman Bob Cameron team up to unwrap new mattresses, as the new bed furniture arrives into the inpatient rooms at the new hospital.

What's the shot?

The new Bendigo Hospital is full of striking angles and perspectives. This month we've taken this image, which is a view through the new spiral pergola, looking up to the new Bendigo Hospital façade.



VIEWS THROUGH: Looking through from the ATSI courtyard to the new hospital's colourful façade.

THE pergola is part of the Aboriginal Torres Strait Islander (ATSI) courtyard, which has been designed and built in collaboration with local cooperative, the Dja Dja Wurrung Clans Aboriginal Corporation. Projects such as this one have been a result of highly productive community consultations, and it's a good example of Exemplar Health's community partnerships at work, a program driven by the Exemplar Health consortium, that's been pivotal in ensuring a sense of community involvement throughout this project.

Located near to the new hospital's ATSI services centre, the ATSI outdoor courtyard features 'Mindi', a traditional dreamtime snake, as part of its design theme, using twisting shapes through the courtyard's soft landscaping, seating, rocks and etched concrete to portray the snake's long body and head.

This attractive courtyard includes a water feature, spiral pergola, planter boxes and a fire-pit for use in smoking ceremony events. The Dja Dja Wurrung community has been instrumental in choosing the plants featured in the courtyard, as well as the colours and tones featured throughout the design.

The ATSI courtyard, currently under construction, is part of the Drought Street forecourt, and it will be part of the new hospital's community features for everyone to enjoy and share, when this new healthcare facility opens in late January 2017.

“ Projects such as this one have been a result of highly productive community consultations ”

Going green...



TREECHANGE: Busy scenes on the construction site, as the new trees are manoeuvred into the new hospital's atrium from the Mercy Street side.



OUTSIDE IN: The 46 courtyards and terraces incorporated into the new hospital's forward-thinking design are now in advanced stages of completion.

The new Bendigo Hospital's 'main street' atrium allows natural light to filter into the building's entrance foyer, bringing with it a therapeutic and calming atmosphere.

THIS month, three, seven-metre native Australian forest trees were transported to the site of the new hospital, and planted into designated areas within this atrium area. It was a welcome sight on a chilly 'first day of spring', and a small crane was used to bring the 400-kilogram trees in through the Mercy Street entrance.

They're now fully transplanted, and work will soon commence to install permanent public seating around the tree trunks. Much of the new atrium that fronts onto Mercy Street is completed in a construction sense, and in the months to come, more street furniture and also feature artwork will arrive to further enliven this striking, central hub of the new hospital.

On the outside, gum trees are starting to line the Drought Street forecourt and the hospital's many internal courtyards are advancing well, being assisted by recent rains. The current works around the Mercy Street entrance are continuing to reclaim spacious areas for the new hospital's landscaping design, incorporating pathways and feature gardens that will blend seamlessly into the existing green spaces and heritage buildings on the campus.

The long and the short of it...

During the Bendigo Hospital Project's life, since its commencement in 2013, we've seen much progress. For instance, at the peak of its construction period, there were a maximum of 790 workers on site on a daily basis. And while we're looking back at much of the project's Stage One activity, the statistics are impressive ...



Materials used:

Concrete	33,000 cubic metres
Concrete slabs	85,000 square metres
Excavation	147,000 tonnes of excavated material
Reinforcing steel	3,200 tonnes
Structural steel	627 tonnes
Glass	14,000 square metres
Roofing	9,201 square metres
Number of doors	3,158
Vinyl	72,150 square metres (includes vinyl to floors, walls and skirtings)
Carpet	10,169 square metres
Plasterboard	225,000 square metres
Façade	28,996 square metres (includes all materials)
Glazing to façade	14,000 square metres

Construction update - September 2016

We are starting to see the final phase of the internal finishes, fit-out and furnishing stage at the Bendigo Hospital Project.

THIS advanced stage is very evident in the new hospital's atrium-styled 'main street', where the activity is focused on fine-tuning the overall finishes, including the areas of tiling, which are more than 90 per cent complete. Permanent fittings are now being installed such as the new hospital's reception desk and feature glass panels and doors for the retail spaces, which are set to open when the new hospital opens in late January 2017.

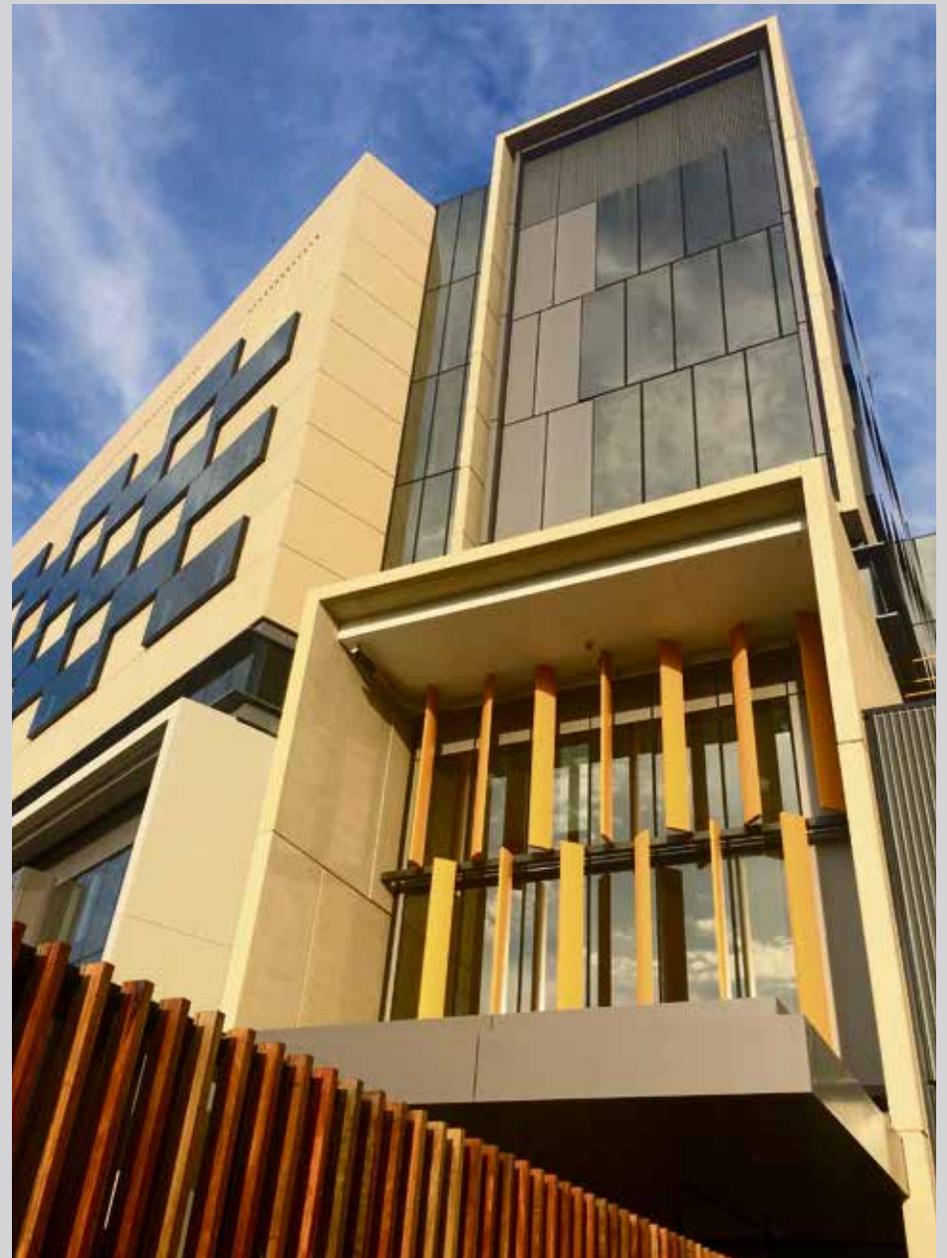
On site we're seeing an average of 330 workers on a daily basis; some of these workers are busy in areas such as the new hospital's courtyards and the Drought Street forecourt, where the landscaping work is fully underway. The well-advanced landscaping work in the majority of courtyards is a solid indicator of the project's headway, for instance - outdoor patio areas in the psychiatry area, on level two, are making terrific progress.

In Mercy Street the footpath landscaping takes on a new look, with the planting of spotted gum trees along both sides of the thoroughfare. Mercy Street will be the hospital's main gateway when it opens next year.

Quality testing and inspections continue throughout the facility, to ensure it adheres to the highest levels of engineering and technical excellence. These inspections take place with Bendigo Health staff to ensure the clinical aspects required for a fully-functioning, fit-for-purpose, contemporary hospital is achieved. Next month operational readiness testing will be a focus.

External construction progress can still be monitored on the webcam available at the Bendigo Hospital Project website home page: www.bendigohospitalproject.org.au

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SITE TOUR: Lendlease project director David O'Shaughnessy walks with Minister for Health, Hon Jill Hennessy MP as part of a recent tour of the Bendigo Hospital Project construction site.



COURTYARDS: Part of the recent site tour with the minister included inspecting the many courtyards featured in the new hospital design.



VISITING BENDIGO: The Minister for Health, Hon Jill Hennessy MP is joined by Member for Bendigo East, Jacinta Allan MP to discuss the Bendigo Hospital Project's progress with Lendlease project director David O'Shaughnessy.

Minister visits

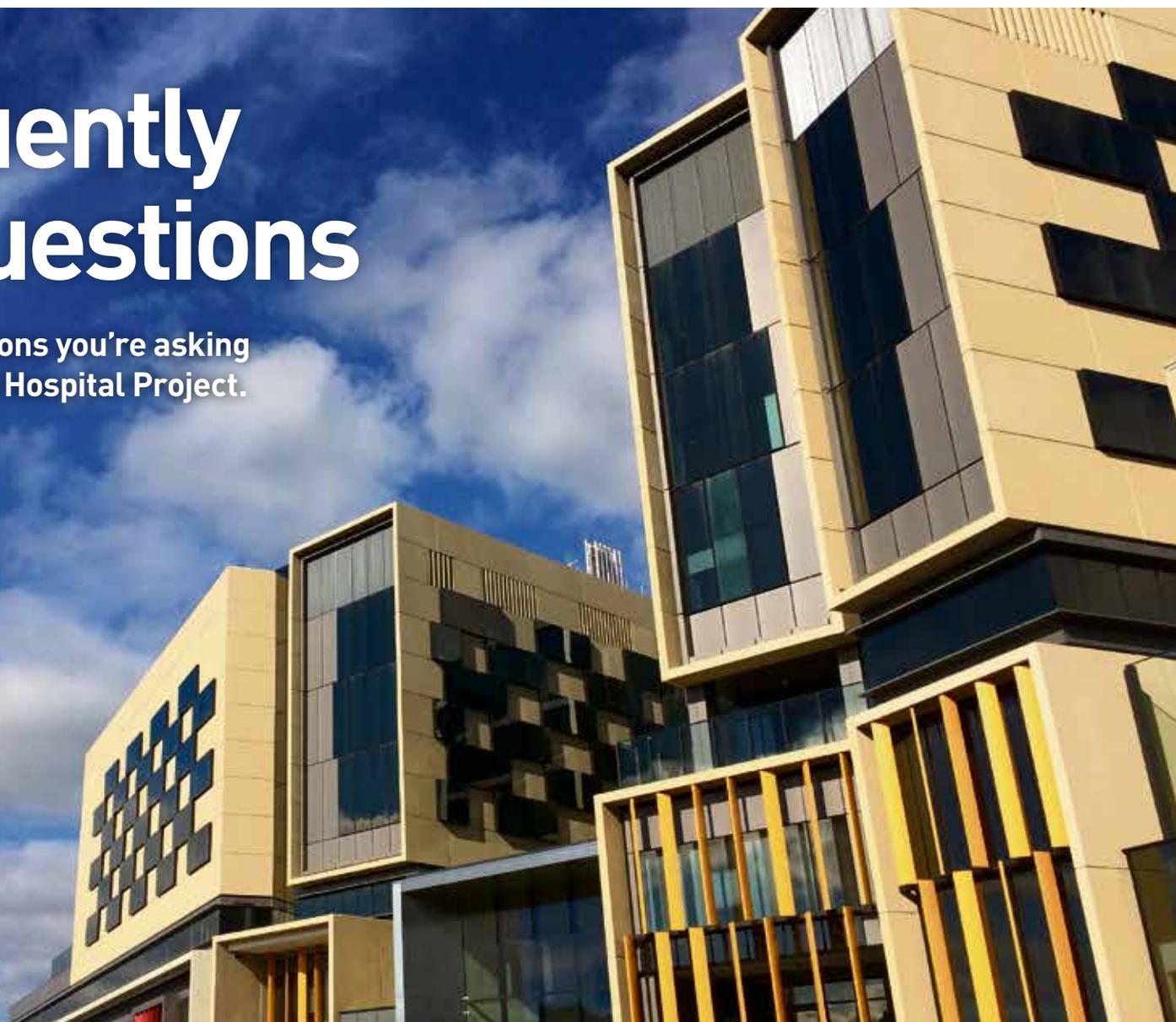
We recently welcomed Minister for Health, Hon Jill Hennessy MP to the Bendigo Hospital Project.

BENDIGO Health board chairman, Bob Cameron and Exemplar Health chief executive Michele Morrison were among the group that accompanied the Minister, as Lendlease project director David O'Shaughnessy conducted a construction site tour

which took in views of the internal atrium 'main street' entrance, new emergency department, external courtyards and the new cancer centre. The Minister for Health was joined by the Member for Bendigo East, Jacinta Allan MP for the tour.

Frequently asked questions

Sharing the questions you're asking about the Bendigo Hospital Project.



THE PROJECT

WHAT IS THE BENDIGO HOSPITAL PROJECT?

The Bendigo Hospital Project is the largest regional hospital development in Victoria. It will deliver a state-of-the-art, world-class regional hospital to the City of Greater Bendigo and the Loddon Mallee Region, that will incorporate the latest design and technology solutions in one of the state's most environmentally sustainable settings.

WHERE'S THE NEW HOSPITAL BEING BUILT?

The new hospital is being built adjacent to the existing Bendigo Hospital, at the rear of the Barnard Street site, which includes the Anne Caudle Centre campus, the Monash and LaTrobe University precinct, Mercy Street and the former Ambulance Victoria site.

The new building will be linked to the Lucan Street site (existing Bendigo Hospital campus), which will feature a multi-deck carpark and retail outlets, via an enclosed link-bridge, with two levels that span over Arnold Street, constructed in Stage Two.

THE PROJECT IS BEING DELIVERED AS A PUBLIC PRIVATE PARTNERSHIP (PPP). WHAT'S A PPP?

The Bendigo Hospital Project will be delivered as a public private partnership under the government's Partnerships Victoria policy. The PPP's private partner is Exemplar Health, while its public counterpart is the Victorian State Government. Exemplar Health is a consortium, made up of four market leaders: Lendlease (builder), Spotless (facilities manager), Siemens (equity provider) and Capella Capital (sponsor). As a PPP partner, Exemplar Health has entered into a long term contract with the State Government – and what that means is the consortium is responsible for the design, the construction and the management of the hospital's non-clinical services. It's a contract that will last 25 years, and will enable Bendigo Health to focus solely on healthcare, while Exemplar Health's consortium member, Spotless, delivers services such as food provision from the hospital kitchen, building maintenance, cleaning, security and portering across the Bendigo Health campus.

NEW HOSPITAL

WHAT SERVICES WILL BE NEW?

All services currently provided at Bendigo Hospital will be provided in the new hospital with expanded capacity to meet future, growing demand. For instance, psychiatric inpatient services will be co-located and expanded to four units, featuring a parent-infant unit, adult unit, older persons' unit and an extended care unit. The new hospital will also house a regional integrated cancer centre with four radiotherapy bunkers and the capacity to expand to six.

WHAT ARE THE NEW FEATURES?

The new hospital will include:

- 372 inpatient unit beds
- 72 same-day acute beds
- An 80-bed integrated psychiatric inpatient unit, including a parent-infant unit
- 11 operating theatres
- A helipad (Stage Two)
- A regional integrated cancer centre
- A multi-deck carpark (Stage Two)
- A 100-place childcare centre (established in 2014)
- A 128-room accommodation hotel (established in 2014)
- An affordable accommodation hub with 15 short-stay units (Stage Two)
- A conference facility (Stage Two)
- Retail shops and cafes (Stage One and Two)

WHERE WILL THE HELIPAD BE LOCATED?

The helipad will be located on top of the new multi-deck carpark. Air-lifted patients will be transported to the hospital via the enclosed link-bridge which spans across Arnold Street. The link-bridge is designed with two dedicated levels, one for use by general public, and one for use by air-transported patients and rapid response medical teams.

WILL THERE BE A SHORT-STAY AREA IN THE EMERGENCY DEPARTMENT?

Yes, there will be a 12-bed short-stay unit located adjacent to the emergency department. It will have the ability to expand to 16 beds in peak periods.

WHAT SECURITY MEASURES WILL BE IN THE EMERGENCY DEPARTMENT?

For 24 hours per day, seven days per week, there will be a security officer in the Emergency Department and the department will be secured by swipe card access. It will also be monitored with CCTV.

WILL THE NEW INTENSIVE CARE UNIT BE LOCATED CLOSE TO THE HELIPAD?

Yes, the new intensive care unit and the helipad will be in close proximity of each other – and the helipad will be connected to a two-level link-bridge that spans across Arnold Street. The bridge has a dedicated level for public use – and one for helipad transfers.

WHERE WILL REHABILITATION SERVICES BE LOCATED?

Rehabilitation services will be in a number of different locations. The Bendigo Health wards currently known as E3, N3 and JLRU3 located on the Anne Caudle Centre Campus will move into two of the inpatient units within the new building. Also with Bendigo Health's new approach, specialists come to the patient rather than a hospital patient going to a specialist, for instance a physiotherapist. This will reduce the inconvenience of moving between hospital departments, providing a more patient-focused care model.

WILL THE NEW HOSPITAL HAVE CARPARKING?

Yes, a new multi-deck carpark will be built on the Lucan Street site as part of Stage Two of the Bendigo Hospital Project, incorporating a helipad. The design stage for this building is currently in progress and we look forward to announcing the final design to you in the near future.

WHERE WILL THE ENTRANCE TO THE NEW HOSPITAL BE?

The main entrance for the new Bendigo Hospital will be on Mercy Street, with a secondary entrance, as well as the emergency department entrance, on Drought Street. In 2018 the hospital will open additional visitor access through an enclosed link-bridge above Arnold Street that connects to a multi-deck carpark.

WHAT ENTERTAINMENT WILL BE AVAILABLE IN INPATIENT ROOMS?

All inpatient rooms will include a patient entertainment system. It's a system that's flexible and interactive, making it easy for patients to access entertainment, internet and other on-demand technologies. This system will also allow patients to order meals electronically and be involved in online patient surveys, patient education and general hospital information.

COMMUNICATION

WILL THERE BE ONGOING CONSULTATION THROUGHOUT THE PROJECT?

The State Government, Bendigo Health and Exemplar Health are committed to engaging with the community throughout this development and updating you with information about the construction stages of the new hospital. Construction updates are provided, and can be sourced each month on the Bendigo Hospital Project website www.bendigohospitalproject.org.au

CONSTRUCTION

WHAT HOURS WILL CONSTRUCTION ACTIVITIES TAKE PLACE?

Construction works will generally occur between 7am – 3.30pm Monday to Saturday. The project's planning permits allow work to occur onsite until 7pm weekdays and until 5pm on Saturdays with a requirement to ensure certain noisy construction activities are completed by 6pm weekdays and 3pm on Saturdays. The site will generally be closed on Sundays and public holidays.

WHEN WILL THE PROJECT BE COMPLETED?

Stage One of the project, which includes the new hospital, will be completed in early 2017.

Stage Two of the project, which includes a multi-deck carpark, helipad, short-stay accommodation units, conference facility and further retail outlets, will be completed in mid-2018.