

## 6.5.5 Major Projects Report

**Responsible GM:** Peter Benazic  
**Author:** David Fice, Jarrad Unsworth, Michael Casey

### Recommendation(s)

That Council note Major Projects report for the month of February 2024.

### Attachments

1. Major projects report - February 2024 [6.5.5.1 - 16 pages]

### Executive Summary

As part of the reporting process to Council, this monthly report provides an update of the status of major projects in progress.

### Background

Projects and updates are included in the attached report

### Conclusion

This regular activity report (as attached) is provided for Councillor's information

Please note: the content of this report was correct as at the end January 2024, when it was written.

## Recreation Reserves and sporting facilities

### *Sporting pavilions*

#### **Koo Wee Rup Bowls Club – clubroom upgrade**

Project description	Proposed demolition of existing clubroom facility and construction of new clubhouse with facilities for club members and general community including two social rooms, bistro area, three community meeting rooms, kitchen, bar servery, two change room areas, office area, toilet facilities, storage area, first aid room, covered spectator area and car parking,
Funding	This project is jointly funded by Council, Victorian and Australian Government agencies.
Timing	Revised delivery timing for this project is October 2024
Update	Funding variation was approved by the funding body. Manufacturing of the modular building has commenced following stakeholder agreeance of the design

#### **Pakenham Regional Tennis Centre – pavilion extension**

Project description	Proposed extension for the Pakenham Tennis Club (relocation) comprising steel frame structure, full height glazing, kitchenette, unisex toilet facility, balcony overlooking courts, provision for two persons lift and reconfiguration of the existing external play area.
Funding	This project is fully funded by Council
Timing	Practical completion was achieved on the 21 December 2023
Update	Works were completed in December and the facility has now been opened for club use.

***Sporting fields*****Bunyip Recreation Reserve – soccer/cricket field redevelopment**

Project description	Construction of junior and senior soccer field overlayer with cricket field, new LED 100 Lux lighting, perimeter fencing and supporting infrastructure
Funding	Council and the Victorian Government jointly fund this project
Timing	Project is complete.
Update	Field construction has been completed and practical completion has been processed, with the field handed over to the club in January 2024.

**Worrell Reserve – skate park**

Project description	Construction of skate park and youth plaza
Funding	Council and the Victorian Government jointly fund this project
Timing	Stage one of project is expected to be completed by the end June 2024.
Update	Concept design has been approved by stakeholders. Detailed design of stage 1 and 2 is now underway, Planning permits are being submitted. Awaiting demolition of old Emerald netball club rooms before works can commence.

**Worrell Reserve – tennis court lighting**

Project description	Replacement of the lighting on courts 1 -5 including poles and upgrade to LED
Funding	Council and the Victorian Government jointly fund this project
Timing	To be completed by the end of February 2024.
Update	Site works commenced in mid-August 2023. Poles and lights installed in early January 2024 and retaining wall replacement is underway. System testing due early February 2024 for user hand over.

## Roads

### ***Strategic road sealing program***

Council is investing funds to upgrade several strategic roads across the shire to improve transport connections. Approximately 25km of roads across the shire have been identified. including:

- McGregor Road, Soldiers Road and Hobsons Road, Pakenham/Rythdale – project underway
- Dore Road, Pakenham – project underway
- Mount Lyall Road, Lang Lang East
- Huxtable Road, Pakenham Upper
- Bessie Creek Road, Nar Nar Goon North
- Evans Road, Bunyip
- Thewlis Road, Pakenham
- Armytage Road and LL Road, Officer – project complete
- Main Drain Road, Koo Wee Rup – project complete
- Boundary Drain Road, Koo Wee Rup – project complete

#### **McGregor-Soldiers-Hobson roads**

Project description	Construction of McGregor-Soldiers-Hobsons roads, Pakenham, includes pavement, kerb and channel and underground drainage works. This project will also use the recycled glass crushed rock product, using 1500 tonne of recycled glass in the pavement.
Funding	This project is fully funded by Council
Timing	Works complete, except for the desalination pipeline area.
Update	A works agreement has now been signed by the Victorian Government for works over the water desalination pipeline in Hobsons Road. Consent from the operator of the pipeline is now required prior to works commencing.

#### **Dore Road, Nar Nar Goon**

Project description	Construction of Dore Road, Nar Nar Goon, includes pavement, some kerb and channel and underground drainage works. This project is the first for the use of Ground Penetrating Radar to assist designer engineers to assess the location and depth of tree roots and reduce the effect on vegetation and thus reducing vegetation offset costs.
Funding	This project is jointly funded by Council and the Australian Government's Local Roads and Community Infrastructure Program
Timing	Delays to start due to hold up with material supply issues for pavement additive.
Update	Civil works will commence following procurement of materials and approval of works methods regarding environmental protections. Minor works involving locating and protecting roadside vegetation is underway.

#### **Mt Lyall Road, Heath Hill**

Project description	Construction of Mt Lyall Road, Heath Hill, includes pavement, some kerb and channel and underground drainage works.
Funding	This project is jointly funded by Council and the Australian Government's Local Roads and Community Infrastructure Program
Timing	Scheduled for construction to commence in April 2024.
Update	Contract awarded. Final environmental permits being obtained prior to commencement of works

**Detailed design of other projects in program**

Project description	Detailed designs of Bessie Creek Road, Huxtable Road, Evans Road, and Thewlis Road
Funding	This project is fully funded by Council
Timing	Detailed designs have been completed for Bessie Creek Road, and Huxtable Road. Final environmental impacts have been calculated which may then require further revisions to the design. As part of this process, planning permits will also be sought for tree removal.
Update	Permits and finalised designs expected to be complete prior to June 2024 for Bessie Creek Road and Huxtable Road. Any scheduling of future works will be subject to confirmation of available funds as part Council's annual budget process.

***Princes Highway intersection upgrades***

Eight intersections along the Princess Highway between Beaconsfield and Pakenham have been identified for upgrading through the associated planning schemes. Upgrades identified include amendments to two existing signalised intersections as well as signalising six previously un-signalised intersections. All intersections have been highlighted for additional or extended turn lanes, additional through lanes, bus priority lanes, and shared cycle/pedestrian lanes.

Identified intersections include:

- Bayview Road – under construction
- Tivendale Road – under construction
- Glismann Road – complete
- O'Neil Road – complete
- Brunt Road
- McMullen Road
- Arena Parade
- Thewlis Road

**Bayview Road, Officer**

Project description	Bayview Road Princes Highway intersection is currently an un-signalised T-intersection. This project will: <ul style="list-style-type: none"> <li>• upgrade the intersection to be a fully signalised crossroad, with the southern leg of Bayview Road being constructed and connecting into the development to the southwest. Ultimately this southern leg will connect to the Monash Freeway via the Officer South Road interchange.</li> <li>• include dual right turn lanes into both legs of Bayview Road, a westbound bus priority lane, off road cycle and pedestrian paths, and car parking alterations along the Princes Highway eastbound lane</li> </ul>
Funding	This project is jointly funded by Developer Contributions and the Australian Government
Timing	Majority of civil works complete as of the end of January 2024, with some minor works still outstanding. Traffic signals switch on will be reliant on power to the site being provided by Ausnet – this date is still unknown but is expected in April 2024.
Update	Major civil works complete. Power to signals required prior to signal activation. Landscaping works to commence in the months following summer.

**Tivendale Road, Officer**

Project description	The Tivendale Road/Station Street Princes Highway intersection is an existing fully signalised intersection. The upgrade works will increase the capacity of the intersection to handle the increased traffic volumes caused by adjacent development. This includes constructing duel right turn lanes into and exiting Tivendale Road, a westbound bus priority lane, off road cycle and pedestrian paths, and car parking alterations along the Princes Highway eastbound lanes and the southern service road.
Funding	This project is jointly funded by Developer Contributions and the Australian Government
Timing	The project is scheduled to be complete by end of April 2024.
Update	Civil works continue. Lanes closures and traffic diversions in place for drainage and pavement construction works on Tivendale Road. Lanes closures are in place for Station Street drainage and pavement works. Public lighting and signal installation works have commenced.

**Brunt Road, Officer**

Project description	The Brunt Road/Whiteside Road Princes Highway intersection is an existing fully signalised intersection. The upgrade works will increase the capacity of the intersection to handle the increased traffic volumes caused by adjacent development. This includes constructing duel right turn lanes into and exiting both Brunt Road and Whiteside Road, a westbound bus priority lane and off-road cycle and pedestrian paths.
Funding	Designs for the intersections are funded through developer contributions. Given the high cost associated with constructing the intersections, Council cannot fund the build for these intersections alone. Council is currently advocating for state and federal funding to see these designs come to life and for the intersections to be constructed. Until such time additional funding becomes available, construction of these intersections will not be able to proceed.
Timing	Designs are due to be finalised early 2024.
Update	Department of Transport and Planning is currently reviewing detailed design. Service authorities have been engaged and relocation plans are being finalised. Power relocations will be completed during project construction.

**Arena Parade, Thewlis Road and McMullen Road**

Project description	These eastern Princes Highway intersections are currently in the detailed design phase and will be delivered subject to funding being available.
Funding	Designs for the intersections are funded through developer contributions. Given the high cost associated with constructing the intersections, Council cannot fund the build for these intersections alone. Council is currently advocating for state and federal funding to see these designs come to life and for the intersections to be constructed. Until such time additional funding becomes available, construction of these intersections will not be able to proceed.
Timing	Detailed designs are underway.
Update	Arena Parade and McMullen Road designs have been submitted to Department of Transport and Planning for detailed design approval.  McMullen Road intersection cannot be constructed without removal of the existing weigh bridges by the Victorian Government authorities.

### ***Sealing the Hills program***

The advocacy campaign calling on the Australian Government to reconsider the decision to discontinue the project is ongoing.

An Australian Government budget submission has been prepared and was submitted in February 2023 calling for the reinstatement of funding or extended funding however no official response has been received by either Council.

The partition to parliament was tabled at parliament with the responsible minister responding to the community in April indicating that no further funding will be received.

The Victorian Government has also been approached to seek additional funding to continue the program.

Residents and stakeholders have been notified regarding the status of their road, and the community have access to view a full list of outstanding roads and their status on Council's website: [www.cardinia.vic.gov.au/sealingthehills](http://www.cardinia.vic.gov.au/sealingthehills)

### **Sealing the Hills program road work updates**

#### **Baker-Glen package – Cockatoo**

Project description	Construction of Baker Street, Station Road, Glen Road and Garden Street, Cockatoo, includes pavement, asphalt wearing surface, kerb and channel, and underground drainage works.
Funding	This project is jointly funded by the Australian Government and contributions by residents via a Special Charge Scheme.
Timing	Construction works complete.
SCS process	VCAT Complete.
Update	Works complete. Speed control devices (such as speed humps) are being considered and will be delivered separately to the current contract.

#### **Caroline Avenue package – Cockatoo**

Project description	Construction of Caroline Avenue, Boronia Crescent and Rouen Road, Cockatoo, includes pavement, asphalt wearing surface, footpath, kerb and channel, and underground drainage works.  The project also includes some improvements to the existing underground drainage and water sensitive urban design (WSUD) at Cockatoo Creek from the IGA into the Cockatoo Creek.
Funding	This project is jointly funded by the Australian Government and contributions by residents via a Special Charge Scheme.
Timing	Construction works complete.
SCS process	VCAT Complete.
Update	Works are now complete

**First-Grenville package (stage 1) – Cockatoo**

Project description	Construction of First Avenue, Grenville Road, Spring Street and Hazel Street, Cockatoo, includes pavement, asphalt wearing surface, kerb and channel, and underground drainage works.
Funding	This project is jointly funded by the Australian Government and contributions by residents via a Special Charge Scheme.
Timing	Works are scheduled to be completed by August 2024.
SCS process	VCAT Complete.
Update	Drainage works are now complete for stage 1. Pavement works have commenced.

**First-Grenville package (stage 2) – Cockatoo**

Project description	Construction of Second Avenue and ROWY (between First Avenue and Second Avenue), Cockatoo, includes pavement, asphalt wearing surface, kerb and channel, and underground drainage works.
Funding	This project is jointly funded by the Australian Government and contributions by residents via a Special Charge Scheme.
Timing	Construction is scheduled to start in early 2024.
SCS process	VCAT Complete.
Update	A construction contract has been awarded to Sure Constructions. Works will commence in early 2024.

**First-Grenville package (stage 3) – Cockatoo**

Project description	Construction of Neville Street, Steane Street and Marcelle Street, Cockatoo, includes pavement, asphalt wearing surface, kerb and channel, and underground drainage works.
Funding	This project is jointly funded by the Australian Government and contributions by residents via a Special Charge Scheme.
Timing	Construction is scheduled to start in early 2024.
SCS process	VCAT Complete.
Update	A construction contract has been awarded to Sure Constructions. Works will commence in 2024.

**Naughton Street package – Cockatoo**

Project description	Construction of Naughton Road and Carawa Street, Cockatoo, includes pavement, asphalt wearing surface, kerb and channel, and underground drainage works.
Funding	This project is jointly funded by the Australian Government and contributions by residents via a Special Charge Scheme.
Timing	Construction works are complete
SCS process	VCAT Complete.
Update	Construction works are complete.



**Old Gembrook Road package – Emerald**

Project description	Construction of Old Gembrook Road, Durban Road and Sherriff Road, Emerald, includes pavement, asphalt wearing surface, kerb and channel, and underground drainage works.
Funding	This project is jointly funded by the Australian Government and contributions by residents via a Special Charge Scheme.
Timing	Works scheduled to commence in late 2024.
SCS process	VCAT Complete.
Update	Works scheduled to commence in late 2024.

**Russell-Blackwood package – Gembrook**

Project description	Construction of Gembrook Road (service lane), Redwood Road (service lane), Russell Road and Blackwood Lane, Gembrook, includes pavement, asphalt wearing surface, kerb and channel, and underground drainage works.
Funding	This project is jointly funded by the Australian Government and contributions by residents via a Special Charge Scheme.
Timing	Construction works are complete
SCS process	VCAT Complete.
Update	Works are complete

**Stoney Creek package – Beaconsfield Upper**

Project description	Construction of Morris Road, Burton Road and Young Street, Beaconsfield Upper, includes pavement, asphalt wearing surface, kerb and channel, and underground drainage works.
Funding	This project is jointly funded by the Australian Government and contributions by residents via a Special Charge Scheme.
Timing	Works scheduled to commence in late 2024.
SCS process	VCAT Complete.
Update	Works scheduled to commence in late 2024.

***Other Council delivered road projects*****Resurfacing and rehabilitation program**

Project description	The significant proactive maintenance and upgrade of Council's road network as per Council's asset management system.
Funding	Resurfacing and rehabilitation programs are jointly funded by Council and the Australian Government's Roads to Recovery Program.
Timing	Works are due to be completed by April 2024.
Update	<p>Rehabilitation projects for 2023-24 include:</p> <ul style="list-style-type: none"> <li>• Nine Mile Road, Tynong</li> <li>• Seven Mile Road, Nar Nar Goon/Koo Wee Rup North</li> <li>• Bald Hill Road, Pakenham</li> </ul> <p>The contract for the rehabilitation program has been awarded and works commenced in November 2023. Seven Mile Road has been completed. Nine Mile Road currently in progress.</p>

**Officer: Pioneer Way and Brunt Road intersection upgrade**

Project description	Construction of Brunt Road to link Princes Highway intersection and LXRPs rail bridge, with construction of Pioneer Way to give access to new school with a roundabout at Pioneer-Brunt-Edinburgh intersection.
Funding	This project is jointly funded by Council and DCP funds.
Timing	Civil works completed in January 2024
Update	LXRPs electrical relocation works are now complete enabling the remaining of public lighting on Brunt Road to be installed. Energisation of this lighting is expected to occur in March 2024.

**Pakenham: McGregor Road duplication including Henty Street intersection.**

Project description	Upgrade of intersection to a signalised intersection.
Funding	Council and DCP funding are in place to complete the design. Additional external funding is required for the project to proceed to construction.
Timing	Works will be linked to the rail removal by LXRPs
Update	A design submission is currently being prepared for review by Department of Transport and Planning. Functional layout plans approved by Council and the design has progressed into detailed design.

## Drains and bridges

### Bridge renewal program

Project description	Replacement of identified bridges and major culverts: <ul style="list-style-type: none"> <li>• Temby Road, Iona</li> <li>• Simpson Road, Vervale</li> <li>• Alexander Road pedestrian bridge, Cockatoo</li> <li>• Beaconsfield wetlands boardwalk.</li> </ul>
Funding	The program is funded by Council.
Timing	Public tender (design and construct for Simpson and Temby) closed with no submissions received due to market conditions.
Update	<p>Structural designs are being prepared for Temby Road and Simpson Road bridge. Concept approval has been received from Melbourne Water for both bridges.</p> <p>Construction is not anticipated until mid to late 2024, however is dependent on the tender process and Melbourne Water detailed design approval.</p> <p>Alexander Road pedestrian bridge is complete. Works will commence shortly for concrete works and supplementary fencing at both abutments to improve pedestrian safety adjacent to the stream embankment.</p> <p>The Beaconsfield boardwalk is in detailed design for the preparation of shop drawings before fabrication commences. Awaiting Melbourne Water confirmation of draft design.</p>

## Footpaths

### 2023-24 Footpath program

Project description	<p>The 2023-24 program will see new footpaths and related works constructed at the following locations:</p> <ul style="list-style-type: none"> <li>• Henry Road, north side opposite IYU – complete</li> <li>• Heritage Boulevard – east side between school crossing and Henry Road, Pakenham – completed during the January school holidays.</li> <li>• Princes Highway, north side, (behind 76 Ebony Drive), Pakenham – quotes have been received.</li> <li>• Army Road, corner Baltessa Drive to Murphy Road, Pakenham Works – contractor has been appointed.</li> <li>• Bailey Road, Corner Garden Road to Third Avenue, Cockatoo – contractor has been appointed.</li> <li>• Belgrave Gembrook Road opposite Avonsleigh General Store, Avonsleigh – quotes have been received.</li> <li>• Fairway Road corner Macclesfield Road – Avonsleigh – quotes have been received.</li> <li>• Wellington Road outside of Clematis Hall – Clematis</li> <li>• Brunt Road outside #28 to Blue Gum village– Beaconsfield - completed as part of Pioneer Way roundabout.</li> <li>• Main St opposite Post Office to Ritchie St– Garfield Works – contractor has been appointed.</li> <li>• McDonalds Track corner Cullen Drive– Lang Lang – complete</li> </ul>
Funding	This program is fully funded by Council
Timing	Works to be delivered by 30 June 2024.
Update	<p>Works are progressing with some paths complete (as detailed above).</p> <p>Quotes were assessed under Council's concrete panel contract.</p>

## Other Council capital works projects

### *Building projects*

#### **Cannibal Creek Reserve - Community Centre, Garfield North**

Project description	Development of a new Community Centre in Garfield North This modular building will include a social room to accommodate approx. 100 people, a meeting room, storage area, kitchen, accessible toilet, and unisex toilets.
Funding	The project is funded by the Victorian Government's Growing Suburbs Fund
Timing	Project is expected to be completed by September 2024
Update	Council awarded the design and construction contract at the August Council meeting. The concept design has been signed off by the Committee of Management and documents have been submitted for planning approval.

#### **Cardinia Youth Hub**

Project description	Relocation and expansion of the My Place Youth Facility to a parcel of Council owned land at James Street, Pakenham. The new facility will accommodate approximately 1000m <sup>2</sup> of building structure, together with landscaping and associated car parking, which will be designed to engage and support young people 12-25 years of age.
Funding	This project is jointly funded by Council, the Victorian Government's Growing Suburbs Fund, and the Australian Government.  The car park is funded by the Australian Government's Local Roads and Community Infrastructure fund.
Timing	The project has been scheduled for completion by late-2024
Update:	The contractor for this project has gone into liquidation. The project team has secured the site and specialist reports to understand the current state of the construction are being compiled to inform next steps. The process of engaging an architect is currently in progress for a comprehensive review of the design before issuing the tender for construction.  Civil construction of the Youth Hub James Street carpark, with solar lighting, has continued to progress and is now complete.

#### **Cockatoo cottages**

Project description	Upgrade and refurbishment of five domestic units including minor sub floor structural work, external cladding, roof repairs, new windows, access ramp, internal kitchen joinery, wall linings, flooring and painting, climate comfort control.
Funding	This project is funded by Council.
Timing	Units 1 and 2 are complete. Unit 3, 4 and 5 are programmed for completion by the end of February 2024
Update	The construction works for units 3, 4 and 5 are in progress with completion due by end of February 2024

***Early learning centre projects*****Toun-nun (Brunt Road) Integrated Child and Family Centre**

Project description	This new centre will include three kindergarten program rooms, community room that can be licensed as a fourth kindergarten room in times of peak demand, three consult rooms to cater for Maternal and Child Health, and other allied health professionals, staff room with kitchen space and planning room, amenities, equipment, furniture, outdoor play space, shared common area/ waiting lounge and carparking.
Funding	The project is jointly funded by Developer Contributions and the Victorian State Government (DET- Building Blocks grant and DJPR- Growing Suburbs Fund)
Timing	The project is scheduled for construction completion by end of February 2024.
Update	Construction was delayed due to the inclement weather in December and recent change in regulatory requirements. Works are scheduled for completion by end of February.

**Thewlis Road Integrated Child and Family Centre**

Project description	This new centre will include three kindergarten program rooms, a community room that can be licensed as a fourth kindergarten room in times of peak demand, three consult rooms to cater for Maternal and Child Health, and other allied health professionals, staff room with kitchen space and planning room, amenities, equipment, furniture, outdoor play space, shared common area/ waiting lounge and carparking.
Funding	The project has funding through developer contributions. Council has successfully obtained the remaining required funds from the Victorian Government's Building Blocks Capacity Grant.
Timing	The project is scheduled for construction completion in December 2024, and operational from January 2025.
Update	Construction has commenced on site and is progressing as per the program.

***Open space projects*****Officer District Park Stage 1**

Project description	<p>Officer District Park will be a 10-hectare adventure and nature park located on Lansell Avenue in Officer. The park will be delivered in stages, with exciting features planned to be delivered as part of the current stage 1 works, including:</p> <ul style="list-style-type: none"> <li>• an incredible multi-level playground with a variety of play zones and experiences including two 20m-long embankment slides.</li> <li>• dog off leash area</li> <li>• Cardinia Shire's first purpose-built Parkour Zone</li> <li>• fitness equipment including running stairs, exercise stations and a 1km loop track.</li> <li>• hillside lookout platform</li> <li>• wetland area with extensive landscaping</li> <li>• public toilets</li> <li>• picnic facilities</li> </ul> <p>Stage 2 of construction will also include a regional-level skate park, mountain boarding tracks and a cafe.</p>
Funding	The detailed design is funded by Council. The construction of the project is jointly funded by Council, the Victorian Government's Growing Suburbs Fund and the Australian Government's Local Road and Community Infrastructure program.
Timing	The project commenced construction in October 2023
Update	Works commenced onsite in October 2023. With estimated completion in October 2024.

**Alma Treloar amphitheatre**

Project description	Upgrade of the existing amphitheatre to improve accessibility, including using recycled materials to reduce maintenance costs.
Funding	The project is jointly funded by Council, the Victorian Government's Growing Suburbs Fund and the Australian Government's Local Roads and Community Infrastructure program
Timing	This project is scheduled to be complete in April 2024.
Update	<p>The shelters, BBQs and seating have been installed.</p> <p>Construction works are well underway on the amphitheatre and stage. The amphitheatre is scheduled for completion in April 2024. Continued delays have been encountered with significant design revisions required to improve all abilities accessibility. A shade sail will be installed over the stage following completion of the amphitheatre.</p>

## Developer delivered infrastructure

### Cardinia Road Employment Precinct – Cardinia Road PSP upgrades (Freeway intersection to future Thompsons Road)

Project description	<p>Cardinia Road Employment Precinct PSP (CREP) was gazetted in 2010 and includes significant upgrades along Cardinia Road.</p> <p>Some upgrades have been completed in recent years allowing access into Kaduna Park residential estate and upgrades to the freeway roundabout.</p> <p>Multiple permits have been issued in the last year requiring further PSP upgrades along Cardinia Road between the freeway and the future Thompsons Road intersection. The works include:</p> <ul style="list-style-type: none"> <li>• Further upgrade of the intersection at the Freeway (known as IN01), duplication of the southern exit and footpath connections.</li> <li>• Duplication of Cardinia Road between Centenary Boulevard and the freeway roundabout (RD01). This includes footpath installation linking into the freeway bridge and then into Officer.</li> <li>• Creation of a roundabout at Cardinia Road and Centenary Boulevard (IN02) which also includes creation of the fourth leg of the intersection to the east to facilitate development further east.</li> <li>• Creation of a roundabout at Cardinia Road and the entrance to Kaduna Business Park (IN07)</li> <li>• Creation of a signalised T-intersection at Cardinia Road and future Thompsons Road (IN08)</li> <li>• Duplication of Cardinia Road between IN07 and IN02</li> </ul> <p>These upgrades will improve connectivity and safety along Cardinia Road both for residents and those travelling through. There will be disruptions throughout the construction period, but Council officers are working to ensure these are minimised where possible.</p> <p>Future upgrades with additional intersections will be required in the future as development continues but this package of works will be the bulk to happen in this section of Cardinia Road.</p>
Funding	These projects are jointly funded by PSP Contributions though the Cardinia Road Employment Precinct PSP and the developers of the surrounding estates
Timing	Construction has begun on the road upgrade works south of the Kaduna homestead, with further works to commence in coming months. Anticipated completion of the bulk of intersection works is end of 2024 with further duplication works happening in 2025 as development continues.
Update	The two developments south of the homestead on the eastern side of Cardinia Road (Kaduna Business Park and Southpoint Business Park) have approvals from Council and DTP to begin works. Works will start with road widening and upgrades, moving to works to construct IN07 (roundabout) and IN08 (signalised T-intersection at future Thompsons Road).



**Pakenham East – Averley site – new Princes Highway intersection  
(between Dore Road and Hancocks Gully)**

Project description	<p>This major signalised intersection will provide access into the Lend Lease ‘Averley’ site on the north of the highway, and the future town centre on the south.</p> <p>This is a four-leg intersection, providing connector boulevards north and south into the estates with dual carriageway on Princes Highway with provision for a future third lane. It sits between Dore Road to the west and Hancocks Gully to the east.</p> <p>This is the full construction of this intersection in line with the PSP and ICP requirements. It has been approved by DTP to their requirements and they are lead supervision on this project.</p>
Funding	The project is jointly funded by Infrastructure Contributions through the Pakenham East ICP and the developer of the Averley Estate (Lend Lease)
Timing	Works are completed with lights to be switched on once DTP energisation process is finalised in coming months.
Update	Works are complete with PC issued from DTP. Lights will be functional once DTP energisation processes occur, and traffic management signage and lighting will stay in place until the lights are operational.

**Pakenham East – Ridgelea site – new Princes Highway intersection  
(between Deep Creek and Dore Road)**

Project description	<p>This major signalised intersection will provide access into the Parklea ‘Ridgelea’ site on the south of the highway, and in the future into the developable land on the north.</p> <p>This is a four-leg intersection, providing connector boulevards on the south and provision for connector road to the north with dual carriageway on Princes Highway with provision for a third lane. It sits between Deep Creek to the west and Dore Road to the east.</p> <p>The construction of this intersection will also change access to Dore Road for the short term until the full PSP construction on the north side takes place. As part of these works, Dore Road will connect into Princes Highway further east than it currently does on a straighter alignment, and will be left in, left out only. The future PSP design anticipates that Dore Road will connect into this intersection by a local road to be built parallel to Princes Hwy to the north, with no direct connection from Dore Rd to the Highway. The timing for this is unknown as the current landowners in this area are not planning on developing for some time.</p> <p>This is the partial construction of this intersection in line with the PSP and ICP requirements – only three legs will be built for access to the south only. It has been approved by DTP to their requirements and they are lead supervision on this project.</p>
Funding	The project is jointly funded by Infrastructure Contributions through the Pakenham East ICP and the developer of the Ridgelea Estate (Parklea)
Timing	The developer anticipates starting construction in second half of 2023 with completion in 2024, but this is dependent on DTP approvals.
Update	Detailed design has been approved by Council subject to DTP approval. Waiting on DTP approval of detailed design and then construction will commence.