

## 6.5.2 Major Projects Report June

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### **Recommendation(s)**

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

### **Attachments**

1. Major projects report – June 2024

### **Executive Summary**

As part of the reporting process to Council, this monthly report provides an update of the status of major projects in progress, as at the end of April 2024, when the report was collated.

### **Background**

Projects and updates are included in the attached report.

### **Relevance to Council Plan**

Not applicable.

### **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 May 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 modular building with facilities for club members and general community including two social rooms, lounge, three community meeting rooms, kitchen, bar servery, two change room areas, office area, toilet facilities, storage area, first aid room, 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	Detailed design is being finalised following stakeholder agreeance of the concept layout and factory manufacturing is continuing. Existing building has been demolished and civil works have commenced on site.

#### **Cora Lynn Football Pavilion – clubroom upgrade**

Project description	Proposed demolition of existing clubroom facility and construction of new modular building with facilities for club members and general community including home and away change rooms, gym, amenities, first aid, storerooms and umpire rooms plus a standalone timekeeper’s box.
Funding	This project is jointly funded by Council and a Victorian Government loan.
Timing	Revised delivery timing for this project is August 2025.
Update	Tenders have been submitted by builders and evaluations completed. Recommendations for preferred builder was supported by Council at the May Council meeting.

### *Sporting fields*

#### **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 of 2024.
Update	Stage one construction tender advertised during May, closing in June. Tentative construction to commence in August. Site preparation works were completed in May.

#### **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	Project completed.
Update	Awaiting final lux report, project otherwise complete.

## 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 being sought prior to works commencing. A report detailing the proposed works was prepared and submitted in May 2024 for approval.

### **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	Bulk of works complete, sealing is completed for the entire length of road
Update	Practical completion is scheduled for the first week of June. Asphaltting and line marking to be completed by the end of June.

**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	Construction scheduled to commence in September 2024.
Update	The appointed construction contractor for the project withdrew prior to signing the contract documents. Due to the time lapsed from original tender to withdrawal, other tenders could not be considered, and the project was retendered in May. The tender closed on 11 June with a new tender recommendation presented to Council in July, with works to start in September (weather dependent).

**Huxtable Road, Pakenham Upper**

Project description	Construction of Huxtable Road, Pakenham Upper, includes pavement, some kerb and channel and underground drainage works.
Funding	This project is fully funded by Council
Timing	Construction scheduled to commence in the 2024-25 financial year, to vegetation removal permits being obtained.
Update	<p>The finalisation of the design and environmental permit application has been delayed due to design consultant withdrawing from the project unexpectedly and DEECA changing the cumulative impacts rules for vegetation removal.</p> <p>A new designer has been engaged and full environmental impacts are now expected to be known in Spring 2024. This will inform the vegetation removal planning permit application required to undertake the works.</p>

**Detailed design of other projects in program**

Project description	Detailed designs of Bessie Creek Road, Evans Road, and Thewlis Road
Funding	This project is fully funded by Council
Timing	To be delivered in future years subject to budget allocation
Update	Designs and environmental investigations are continuing for these projects.

***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

**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
Update	Major civil works complete. Application for electricity connection has been lodged and waiting for confirmation of date. Landscaping contract is being prepared.

**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 dual 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 June 2024.
Update	The intersection is now operating with works continuing to finalise additional lane and bus lane. Critical works in Tivendale Road is being programmed in a manner to ensure access to abutting businesses.

**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
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	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	<p>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.</p> <p>Council is currently advocating for state and federal funding to see these designs come to life and for the intersections to be constructed.</p> <p>Until such time additional funding becomes available, construction of this intersections will not be able to proceed.</p>
Timing	Designs are due to be finalised mid-2024.
Update	Department of Transport and Planning has requested further information regarding the traffic impact for this project. This information has been provided and Council is awaiting further comments/feedback.

**Arena Parade, Officer**

Project description	Arena Parade/Princes Highway intersection is currently an unsignalised T-intersection. This project will upgrade the intersection to be a fully signalised crossroad, with the northern leg being constructed to the property line for connection by future development.
Funding	The Victorian Government has announced \$2.8m through the growth areas infrastructure contributions fund to deliver Arena Parade intersection. Developer Contributions are also available.
Timing	Detailed designs are underway.
Update	Arena Parade designs have been submitted to Department of Transport and Planning (DTP) for detailed design approval. DTP has requested further information regarding the traffic impact for this project. This information is currently being prepared and will be submitted before the end of June 2024.

**McMullen Road, Officer**

Project description	McMullen Road/Princes Highway intersection is currently an unsignalised T-intersection. This project will upgrade the intersection to be a fully signalised crossroad, with the southern leg being constructed to be connected to by future development.
Funding	Designs for the intersections are funded through developer contributions. Given the high cost associated with constructing this intersection, Council cannot fund the delivery alone. Council is currently advocating for Victorian and Australian Government funding to see these designs come to life and for the intersections to be constructed. Until such time additional funding becomes available, construction of this intersections will not be able to proceed.
Timing	Detailed designs are underway.
Update	McMullen Road designs have been submitted to Department of Transport and Planning for detailed design approval, however this intersection cannot be constructed without removal of the existing weigh bridges by 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**

**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	Works are largely complete with driveway, verge and site re-instatement works ongoing.

**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 due to commence once stage 3 is complete.
SCS process	VCAT Complete.
Update	A construction contract has been awarded to Sure Constructions. Service location and set out works have commenced. Works expected to commence following phase 3 works.

**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 has commenced and are scheduled to be completed by late 2024.
SCS process	VCAT Complete.
Update	Drainage, stabilisation, kerb and base layer works complete on Neville Street. Drainage works commenced on Marcelle and Steane Streets with stabilisation to proceed in the next month.

**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.

**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	Rehabilitation and reseal works are complete. Resurfacing (asphalt overlaying) works are now due to be completed by end of June 2024 due to the inclusion of an additional 11 road segments in the program.
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. All the rehabilitation works have now been completed.</p> <p>Under the resurfacing program, more than 130 road segments will be resealed, or asphalt overlaid covering more than 35kms of Council sealed road network. Preparation works have been completed. 100% of reseal works complete, and 65% of asphalt overlaying works have been completed. The remaining asphalt works are expected to be complete by end of June 2024.</p>

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

Project description	Construction of Brunt Road to link Princes Highway intersection and LXRP 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	This project is complete.
Update	All lights are now energised. Remaining footpath at Princes Highway has been completed.

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

Project description	Upgrade of intersection to a signalised intersection.
Funding	<p>Council and DCP funding are in place to complete the design.</p> <p>The Victorian Government announced \$6m of funding for this project through the growth areas infrastructure contributions fund to deliver this project. Council funds are also available to complete this project.</p>
Timing	Works will be linked to the rail removal by LXRP and coordinated with other state and Council projects in the Pakenham area.
Update	Detailed designs are progressing. A consultant has been engaged to determine the level of service impacts. Following this the design can be finalised.

## Drains and bridges

### Bridge renewal program

Project description	<p>Replacement of identified bridges and major culverts:</p> <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> <li>• Lakeview Terrace Boardwalk Renewal.</li> <li>• Lakeside Pakenham Sea Wall assessment and repairs.</li> <li>• Cardinia Level 3 timber bridge assessments for Little Road Bridge at Iona and South Bank Road bridge, Bunyip.</li> <li>• Burkes Road and Sanctuary Way Bridge Renewal</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 complete for Temby Road and Simpson Road bridge. Concept approval has been received from Melbourne Water for both bridges. Documents being prepared to take the works to tender.</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 including additional works for concrete and supplementary fencing at both abutments to improve pedestrian safety adjacent to the stream embankment.</p> <p>Screw piling has occurred along the alignment for the Beaconsfield boardwalk. Fabrication of the deck is underway. Installation should commence mid-June, weather permitting. Donny Brook Creek abutment works have been completed at Emerald-Beaconsfield Road. New deck and handrail to be completed by end of June.</p>

### Drainage program

Project description	The maintenance and upgrading of Council's drainage network.
Funding	The program is funded by Council.
Timing	All works are scheduled to be complete by June 2024.
Update	<p>The 2023-24 drainage program will include the following projects:</p> <ul style="list-style-type: none"> <li>• New drainage pipe and pits installation in No 17 O'Sullivan Street, Pakenham as a part of Peet Street special charge scheme project – complete</li> <li>• Tynong-Bayles Road (Murray Road. intersection) – Culvert replacement – complete</li> <li>• Replacement of existing fibre reinforced pipes in Joffre Parade and Birdwood Avenue, Cockatoo- works are due to be completed by end of June 2024.</li> <li>• Beswick Street, Garfield – 200m open outfall drain to be piped. Works expected to be completed by end of June 2024.</li> </ul>

## Footpaths

### 2023-24 Footpath program

Project description	<p>The 2023-24 program sees 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 – complete.</li> <li>• Army Road, corner Baltessa Drive to Murphy Road, Pakenham – complete.</li> <li>• Bailey Road, Corner Garden Road to Third Avenue, Cockatoo – works are due to be completed by end of June.</li> <li>• Belgrave Gembrook Road opposite Avonsleigh General Store, Avonsleigh – complete.</li> <li>• Fairway Road corner Macclesfield Road – Avonsleigh – complete</li> <li>• Wellington Road outside of Clematis Hall – Clematis- works to be completed by end of June.</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 – complete.</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 November 2024
Update	Council awarded the design and construction contract at the August 2023 Council meeting. The concept design has been signed off by the Committee of Management and all necessary documentation has been submitted for planning permit approval. Factory manufacturing has commenced. Town planning permit public advertising has closed, and the objections are being reviewed.

#### **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	This project is currently on hold while investigations continue.
Update:	The contractor for this project has gone into liquidation. The project team secured the site and undertook a review through a specialist forensic. Forensic reports showed significant defects in the build which requires the demolition of the structure. Council is working with stakeholders to establish next steps, with the commitment to continue the valuable Youth Services in the shire. A further report was provided to Council at the May meeting. Another report will be presented to the June meeting.

***Early learning centre projects***

**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 with completion expected in late 2024.
Update	<p>Extensive bulk civil works have now been completed, creating usable, level open space areas on the very steep site. The concrete footpath/running trail network is almost complete and playground equipment installation continues. The design of the public restrooms is taking shape with a unique two-level facility required to service the split-level design of the playspace.</p> <p>The entire project is undergoing a second all abilities accessibility audit to assess the changes to the original design that have been forced by the difficult site conditions. The project is currently on track for completion in late 2024.</p>

#### **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 completed by August 2024.
Update	<p>The shelters, BBQs and seating have been installed.</p> <p>The amphitheatre is scheduled for completion by August 2024. Delays were encountered with significant design revisions required to improve all abilities accessibility and meet modern DDA standards. A shade sail will also 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 requiring 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, with this package of works being the most extensive to happen in this section of Cardinia Road.</p>
Funding	<p>These projects are jointly funded by PSP Contributions though the Cardinia Road Employment Precinct PSP and the developers of the surrounding estates.</p>
Timing	<p>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.</p>
Update	<p>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 have started with road widening and upgrades, moving to works to construct IN07 (roundabout) and IN08 (signalised T-intersection at future Thompsons Road).</p>

**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 and would progress with future development by landowners.</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 construction completion in 2024, but this is dependent on DTP approvals.
Update	Construction has started on the intersection.

**Thewlis Road, Pakenham – Duplication and upgrade of Thewlis Road from Kenneth Road to Princes Highway.**

Project description	Duplication and upgrade of Thewlis Road
Funding	Funded through the Cardinia DCP as per the Cardinia Road PSP and by the developer.
Timing	Design for Thewlis Road and connection to Kenneth Road have been approved and construction has started.
Update	Works have commenced. Connection from Kenneth to Thewlis Road cannot be opened until the Thewlis Road/Highway intersection is also complete.

**Stephens Road, Officer – Duplication and upgrade of Stephens Road from Rix Road to Hansel Avenue**

Project description	Duplication and upgrade of Stephens Road, Officer
Funding	Funded through the Officer DCP as per the Officer PSP and by the developer.
Timing	Design for Stephens Road has been approved.
Update	Works expected to commence in June