

6.5.2 Major Projects Report

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Recommendation(s)

That Council note this report

Attachments

1. Major projects report - October 2023 [6.5.2.1 - 17 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 of September 2023, when it was written.

Recreation Reserves and sporting facilities

Sporting pavilions

Koo Wee Rup Bowls Club – clubroom upgrade

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| 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 June 2024 |
| Update | The tender for design and construction closed in August 2023. Tender submissions are currently being assessed. |

Pakenham Regional Tennis Centre – pavilion extension

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| 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 | Project is expected to be complete by the end of 2023 |
| Update | Construction has commenced on-site. |

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

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| 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 | Playing field surface maintenance period is underway. Handover of the field to the club is expected January 2024. |
| Update | Lighting towers have been erected and pavilion interface works are now complete. Final electrical works are underway with practical completion delayed due to electrical sub-contractor availability. New practical completion is expected by the end of October 2023. |

Upper Pakenham Recreation Reserve - cricket net renewals

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| Project description | Redevelopment of the existing cricket nets with a four bay multipurpose cricket practice net facility with retractable netting between three nets and one fixed net. |
| Funding | Council and the Victorian Government (Community Sports Infrastructure Loan) jointly fund this project. |
| Timing | Project complete. |
| Update | Works are completed. An official opening, acknowledging funding partner, was held on 21 September 2023. |

Worrell Reserve – skate park

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|---------------------|--|
| 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 and is expected to be complete in November. |

Worrell Reserve – tennis court lighting

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| 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 2023 |
| Update | Site works commenced in mid-August. Boring and laying of cables is underway |

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

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| 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 been lodged with the Victorian Government for works over the water desalination pipeline in Hobsons Road. The minister's office has asked for additional information, which Council's officers are currently preparing for submission. |

Dore Road, Nar Nar Goon

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| 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 | Works are now programmed to commence in November 2023 and be completed by April 2024. |
| Update | Construction commencement activities have started. |

Mt Lyall Road, Heath Hill

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| 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 in November 2023 (pending outcome of tender), with works expected to be completed by April 2024. |
| Update | The design is complete, environmental investigations are finalised and a construction tender issued. The tender is scheduled to close in early October with the anticipated award to be in late October. |

Detailed design of other projects in program

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| 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 are now complete for Bessie Creek Rd, and Huxtable Road. Final environmental impacts are being calculated and planning permits will be sought for tree removal. |
| Update | Works are scheduled to begin on Bessie Creek Road and Huxtable Road in 2024 pending planning permit approval |

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 signalling 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

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|---------------------|---|
| Project description | Bayview Road Princes Highway intersection is currently an un-signalised T-intersection. This project will: <ul style="list-style-type: none"> • 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. • 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 |
| Funding | This project is jointly funded by Developer Contributions and the Australian Government |
| Timing | Scheduled to be complete by end of October 2023 |
| Update | Pavement works on the Princes Highway are completed to wearing course layer. Public lighting and signal installation works are complete. Concrete and landscaping works continue. |

Tivendale Road, Officer

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| 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 February 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

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| 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 dual 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 by end of 2023. |
| Update | DTP is currently reviewing detailed design. Service authorities have been engaged and relocation plans are being finalised. Power relocations have commenced. |

Arena Parade, Thewlis Road and McMullen Road

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| 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 DTP for detailed design approval. |

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 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

Sealing the Hills program road work updates

Baker-Glen package – Cockatoo

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| 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 are due to be finished by end of 2023. |
| SCS process | VCAT Complete. |
| Update | Pavement works are complete at Station Rd, Glen Rd and Garden Street. Drainage is completed at Baker with pavement works continuing. The upgrade of the Cockatoo Community centre carpark is complete. |

Caroline Avenue package – Cockatoo

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| 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 are due to be complete by end of 2023. |
| SCS process | VCAT Complete. |
| Update | Drainage and earthworks are complete. Concrete and pavement construction works continue. |

First-Grenville package (stage 1) – Cockatoo

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| Project description | Construction of First Avenue, Grenville Road, Spring Street, Hazel Street and the 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 | Works are scheduled to be completed by August 2024. |
| SCS process | VCAT Complete. |
| Update | Drainage works on First Avenue continue – now 60% complete. Earthworks on First Avenue nearly complete. |

First-Grenville package (stage 2) – Cockatoo

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| Project description | Construction of 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 late 2023. |
| SCS process | VCAT Complete. |
| Update | A construction contract has been awarded to Sure Constructions. A start date is being negotiated and works program produced. |

First-Grenville package (stage 3) – Cockatoo

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| 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. A start date is being negotiated and works program produced. |

Naughton Street package – Cockatoo

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| 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 is scheduled to be finished by the end of 2023. |
| SCS process | VCAT Complete. |
| Update | Drainage and pavement work continue. |

Old Gembrook Road package – Emerald

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|---------------------|--|
| 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

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| 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 is scheduled to be completed by end of 2023 |
| SCS process | VCAT Complete. |
| Update | Works are complete on Russell Road and Gembrook Road Service Road. Blackwood Lane has been spray sealed and will be asphalted in the coming weeks. Some pavement works still required on Redwood Road Service Road in preparation for sealing/asphalt. |

Innes Road package – Gembrook

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| Project description | Construction of Innes Road (including Innes Road west section) includes pavement, asphalt wearing surface, footpath, 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 be completed by end of 2023 |
| SCS process | VCAT Complete. |
| Update | This project has reached practical completion |

Stoney Creek package – Beaconsfield Upper

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|---------------------|--|
| 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**

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|---------------------|---|
| 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 | The 2023-24 program is currently being scoped. |
| Update | <p>Rehabilitation projects for 2023-24 include:</p> <ul style="list-style-type: none"> • Nine Mile Road, Tynong • Seven Mile Road, Nar Nar Goon/Koo Wee Rup North • Bald Hill Road, Pakenham <p>The contract for the rehabilitation program is subject to a separate report to be presented at this Council meeting.</p> |

Officer: Pioneer Way and Brunt Road intersection upgrade

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| 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 | Works to be completed by late-2023. |
| Update | Works on Stage 3 have commenced with pavement and kerb works on Brunt Road northbound currently in progress. 98% of drainage works are complete. Brunt Road closure and detour via Pioneer Way remain in place. |

Pakenham: McGregor Road duplication including Henty Street intersection.

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| Project description | Upgrade of intersection to a signalised intersection. |
| Funding | Council and DCP funding is 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 LXRP |
| Update | A design submission is currently being prepared for review by DTP. |

Drains and bridges

Bridge renewal program

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| Project description | Replacement of identified bridges and major culverts: <ul style="list-style-type: none"> • Temby Road, Iona • Simpson Road, Vervale • Alexander Road pedestrian bridge, Cockatoo • Beaconsfield wetlands boardwalk |
| Funding | The program is funded by Council. |
| Timing | Public tender (design and construct for Simpson and Temby) closed with no submissions received due to current market conditions. |
| Update | <p>Concept designs have been prepared for Temby Road and Simpson Road bridge. Approval has now been received from Melbourne Water for both bridges. Flood modelling has been undertaken previously allowing structural design work to begin.</p> <p>Construction is scheduled for later in 2023, however is dependent on the tender process and MW approval.</p> <p>Alexander Road pedestrian bridge: works have commenced with bridge super structure being placed on footings.</p> <p>The Beaconsfield boardwalk is now in detailed design for the preparation of shop drawings before fabrication commences.</p> |

Footpaths

2023-24 Footpath program

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| 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"> • Henry Road, north side opposite IYU • Heritage Boulevard – corner Henry Road, Pakenham • Princes Highway, north side, (behind 76 Ebony Drive), Pakenham • Army Road, corner Baltessa Road, Pakenham • Bailey Road, Corner Garden Road, Cockatoo • Belgrave Gembrook Road opposite Avonsleigh General Store, Avonsleigh • Fairway Road corner Macclesfield Road – Avonsleigh • Wellington Road outside of Clematis Hall – Clematis • Brunt Road outside #28 – Beaconsfield • Main St opposite PO – Garfield • McDonalds Track corner Cullen Drive– Lang Lang |
| Funding | This program is fully funded by Council |
| Timing | Works to be delivered by 30 June 2024. |
| Update | Quotes are currently being sought from contractors to undertake this year's program, with plans being prepared for consultation. |

Other Council capital works projects

Building projects

Cannibal Creek Reserve - Community Centre, Garfield North

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| 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 June 2024 |
| Update | Council awarded the design and construction contract at the August Council meeting. The design development process has commenced. |

Cardinia Youth Hub

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| 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 ² 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. |
| Timing | The project has been scheduled for completion by mid-2024 |
| Update: | The contractor for this project has gone into liquidation. The project team has secured the site and are preparing to engage a new contractor. |

Cockatoo cottages

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| 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 2023. |
| Update | The construction works for units 3, 4 and 5 are underway. |

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

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| 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 December 2023, and operational from January 2024. |
| Update | Construction is continuing, with minor delays experienced due to inclement weather. |

Thewlis Road Integrated Child and Family Centre

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|---------------------|---|
| 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 | The tender closed on 12 September and is currently being evaluated. |

Open space projects**Alma Treloar amphitheatre**

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|---------------------|--|
| 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 by end of October 2023. |
| Update | The shelters, BBQs and seating have been installed. Works have commenced on the construction of the amphitheatre and stage. The amphitheatre will be completed by end of October. A shade sail will be installed over the stage immediately following completion of the amphitheatre. |

Officer District Park Stage 1

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| Project description | 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: <ul style="list-style-type: none"> • an incredible multi-level playground with a variety of play zones and experiences including two 20m-long embankment slides. • dog off leash area • Cardinia Shire's first purpose-built Parkour Zone • fitness equipment including running stairs, exercise stations and a 1km loop track. • hillside lookout platform • wetland area with extensive landscaping • public toilets • picnic facilities <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 is scheduled to commence construction in October 2023 |
| Update | Stage 1 of the project has been tendered and was awarded at the September Council meeting. Works are expected to commence onsite in October 2023. |

Developer delivered infrastructure

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

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| 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"> • Further upgrade of the intersection at the Freeway (known as IN01), duplication of the southern exit and footpath connections. • 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. • 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. • Creation of a roundabout at Cardinia Road and the entrance to Kaduna Business Park (IN07) • Creation of a signalised T-intersection at Cardinia Road and future Thompsons Road (IN08) • Duplication of Cardinia Road between IN07 and IN02 • <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 | <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 will start with road widening and upgrades, moving to works to construct IN07 (roundabout) and IN08 (signalised T-intersection at future Thompsons Road).</p> |

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

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|---------------------|---|
| 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)**

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|---------------------|--|
| 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. |