

6.5.4 Major Projects Report

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Recommendation(s)

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

Attachments

1. Major projects report - May 2024 [6.5.4.1 - 15 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, as at the end of April 2024, when the report was collated.

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 April 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, 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	Detailed design is being finalised following stakeholder agreeance of the concept layout and factory manufacturing has commenced.

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	<p>Concept design has been approved by stakeholders. Detailed design of stage 1 and 2 is now complete. Demolition of old Emerald netball club rooms and courts has been completed by Council, and landowner consent has been granted by DEECA.</p> <p>Tender documents are being prepared for the construction of stage 1 of the project, Preparation works will be occurring on the site during April including fill material deliveries and surface works on the retained netball court.</p>

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 in early May
Update	Awaiting replacement of 1 luminaire under warranty. 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 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	Possession of site has been given to the contractor, with a contract period of 26 weeks.
Update	Works are well ahead of schedule and are almost complete. Pavement seal prep and sealing to be completed in coming weeks weather dependant.

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 June 2024.
Update	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 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

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	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 has been further delayed by the auditing process. An update on the audit status is expected in the coming weeks.
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 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 mid-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 conducted with further service relocations to be considered if funds are available.

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. The Victorian Government has announced \$2.8m through the growth areas infrastructure contributions fund to deliver Arena Parade intersection. Council will be contributing to this project via Developer Contributions.
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. Arena Parade has now received Victorian Government funding allowing the project to proceed. 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

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	Drainage works are now complete for stage 1. Kerb and channel are 90% complete. Driveway reconstruction works ongoing, Asphalt 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 has commenced and is scheduled to be completed by late 2024
SCS process	VCAT Complete.
Update	A construction contract has been awarded to Sure Constructions. Service location and set out works have commenced.

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 works are now 85% complete with pavement works to follow.

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"> • 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 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 LXR 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	All lights are now energised. Remaining footpath at Princes Highway and bollard installation at Gin Gin Bin Reserve will be completed by end of June 2024.

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 LXR
Update	Detailed designs are progressing.

Drains and bridges

Bridge renewal program

Project description	<p>Replacement of identified bridges and major culverts:</p> <ul style="list-style-type: none"> • Temby Road, Iona • Simpson Road, Vervale • Alexander Road pedestrian bridge, Cockatoo • Beaconsfield wetlands boardwalk. • Lakeview Terrace Boardwalk Renewal. • Lakeside Pakenham Sea Wall assessment and repairs. • Cardinia Level 3 timber bridge assessments for Little Road Bridge at Iona and South Bank Road bridge, Bunyip. • Burkes Road and Sanctuary Way Bridge Renewal
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>The Beaconsfield boardwalk is in detailed design for the preparation of shop drawings before fabrication commences. Melbourne Water confirmation of draft design has now been received. Shop drawings are being prepared to allow fabrication to proceed in May.</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"> • New drainage pipe and pits installation in No 17 O'Sullivan Street, Pakenham as a part of Peet Street special charge scheme project – complete • Tynong-Bayles Road (Murray Road. intersection) – Culvert replacement – complete • Replacement of existing fibre reinforced pipes in Joffre Parade and Birdwood Avenue, Cockatoo- Contractor appointed and expected to commence early May. Expected completion 30 June. • Beswick Street, Garfield – 200m open outfall drain to be piped. In Design. Works expected to commence early June. • Investigate and detailed design of replacing existing open drain with kerb and channel in Macclesfield Road, Emerald. To be included in future Capital Works Program. • Investigate and detailed design of regulation of roadside drain in Tynong Road (south of quarry road up to approx. Railway Avenue, approx. 500m). To be moved into 2024/25 program

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"> • Henry Road, north side opposite IYU – complete • Heritage Boulevard – east side between school crossing and Henry Road, Pakenham – completed during the January school holidays. • Princes Highway, north side, (behind 76 Ebony Drive), Pakenham – complete. • Army Road, corner Baltessa Drive to Murphy Road, Pakenham – complete. • Bailey Road, Corner Garden Road to Third Avenue, Cockatoo – contractor has been appointed – complete. • Belgrave Gembrook Road opposite Avonsleigh General Store, Avonsleigh – Contractor has been appointed. Scheduled for completion in May. • Fairway Road corner Macclesfield Road – Avonsleigh – quotes have been received. • Wellington Road outside of Clematis Hall – Clematis • Brunt Road outside #28 to Blue Gum village– Beaconsfield - completed as part of Pioneer Way roundabout. • Main St opposite Post Office to Ritchie St– Garfield Works – complete. • McDonalds Track corner Cullen Drive– Lang Lang – complete
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 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.

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 1000m2 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. Further reports will be provided to Council in May and June.

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"> • 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 commenced construction in October 2023 with completion expected in late 2024.
Update	<p>Extensive bulk civil works are ongoing to create usable, level open space areas on the very steep site. Tough soil conditions are slowing progress. The concrete footpath/running trail network is under construction and playground equipment installation is underway. 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 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 through 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 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	Construction has started on the intersection.

Officer – Brunt Road/Whiteside Road and Princes Highway intersection

Project description	Melbourne Water Drainage Service Scheme (DSS) stormwater works connecting 215 Princes Highway (Neighbourhood Activity Centre, takeaway and service station) to the existing drainage infrastructure within Princes Highway.
Funding	These works are funded by the Melbourne Water DSS and the developer.
Timing	MW drainage works complete – further works ongoing to complete service road construction for Service Station development.
Update	MW drainage works complete

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 will be approved in April.
Update	Works will commence once the designs are approved.