



LEVEL CROSSING REMOVAL PROJECT

Setting up a piling rig at Mt Derrimut Road

LEVEL CROSSING REMOVAL UPDATE

MT DERRIMUT ROAD
DEER PARK AND DERRIMUT
OCTOBER 2022

Building foundations at Mt Derrimut Road

We're removing the level crossing at Mt Derrimut Road by elevating the rail line over the road to reduce congestion and improve safety. We're also building a new Deer Park Station, creating a safer, better connected Deer Park.

Since August, we've been excavating and drilling deep holes into the ground to prepare the foundations of the new rail bridge and station.

We're also building retaining walls for the rail bridge, and in the coming months, we'll lift concrete beams into place to support the elevated platforms and rail line as the new Deer Park Station begins to take shape.

The new station will feature two accessible elevated platforms, a bus interchange, improved pedestrian and cyclist connections and new landscaping.

By 2024, the Mt Derrimut Road level crossing will be removed and the new Deer Park Station open, making the Geelong and Ballarat lines level crossing free between Deer Park and the city.



Scan the QR code for more information about the project or visit levelcrossings.vic.gov.au/mt-derrimut-road

Project benefits



Improved safety for drivers, pedestrians and cyclists



Increased accessibility to public transport services



Better connections on both sides of the rail line



A more reliable road network and better travel times



Paving the way for future transport upgrades



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YOUR NEW DEER PARK STATION PRECINCT



Subject to change

The new Deer Park Station precinct will feature two accessible elevated platforms, an integrated bus interchange, improved pedestrian and cycling paths, landscaping and modern passenger facilities.

	Shared use paths from Mt Derrimut Road, Railway Parade, Hemley Drive and Eagle Way		Lighting and security cameras
	New landscaping with native grasses, wildflowers and trees		Ramps, seating, weather protected stairs, platforms and waiting room

	Car access		Parking		Accessible parking		Toilets		Bike hoops
	Bus access		Shared use path access		Pick-up/drop-off zone		Access ramp		Lift
	Forecourt		Grassland viewing area		Protected habitat		Parkiteer		Yarning circle



Deer Park Station southern entry, planted with native grasses

Artist's impression – subject to change



Deer Park Station aerial view

Artist's impression – subject to change

HOW WE'LL BUILD THE RAIL BRIDGE

We'll build the new 1.2 kilometre bridge starting with retaining walls at each end to support the rail line as it rises from the ground.

Continuing on until November, crews will use two large piling rigs to drill 58 holes in the ground that are reinforced with steel and filled with concrete to form the foundations of the bridge.

Each hole will be up to 8.3 metres deep and 2.5 metres wide. The concrete used will be the equivalent of about 15 backyard swimming pools.

We'll also use over 1,000 concrete panels to build the bridge retaining walls, and deliver and install large concrete beams to support the elevated rail line and platforms at the new Deer Park Station.



Above right: The rail bridge over Mt Derrimut Road – artist's impression, subject to change

Step by step at Mt Derrimut Road

Building the elevated rail bridge starts with deep concrete foundations near Deer Park Station and Mt Derrimut Road.

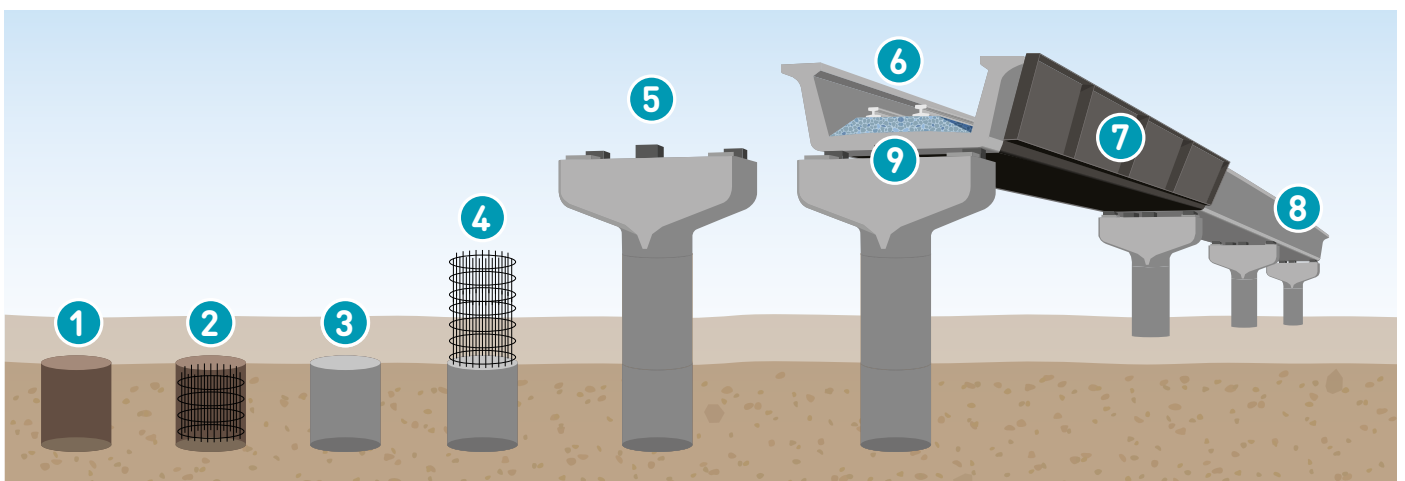
- 1 Piling rigs drill holes up to 8.3 metres deep.
- 2 A cylindrical steel reinforcement cage is inserted into each hole.
- 3 Each hole is filled with concrete creating a deep foundation called a pile.

- 4 A steel reinforcement cage is placed on top of each pile.
- 5 A mould is placed around the cage. Concrete is poured into the mould to form the bridge column and headstock at the same time.
- 6 Long L-shaped beams are lifted on top of the headstocks. Each pair of L-beams is joined together with concrete to form a U-trough.
- 7 A 44-metre steel bridge section will sit over Mt Derrimut Road, connecting the U-troughs on either side of the road.

- 8 The U-troughs are connected to retaining walls at each end of the bridge where trains return to ground level.
- 9 Crushed rock ballast and train tracks are laid and connected to the existing track.



Scan the QR code for more information on how we'll build the rail bridge or visit levelcrossings.vic.gov.au/mdr-rail-bridge



Drawing not to scale

Protecting the Golden Sun Moth

As part of the Victorian Government's commitment to the environment, the Mt Derrimut Road Level Crossing Removal Project is protecting nearby habitats of the endangered Golden Sun Moth while we work.

The new station precinct design also includes an area to view Golden Sun Moth habitat and learn more about the species.



Did you know?

Golden Sun Moths live underground as caterpillars for two or more years where they eat only native grass roots. When the adult moths emerge, they live for 1-4 days and don't eat at all.

Above right: Female Golden Sun Moth – copyright Glenn Rudolph, DELWP



New rail bridge at Robinsons Road

Robinsons Road and Fitzgerald Road level crossings gone

The level crossings in Deer Park and Ardeer are among the most recently completed level crossing removal projects in Melbourne's west.

In early October, locals joined us to celebrate the removal of the Fitzgerald and Robinsons roads level crossings at a free community event held at Nancy Street Reserve.

The community enjoyed food and coffee from local traders, kids' activities, entertainment and more.

Project timeline

- ✓ **Early 2021**
 - Concept designs released
 - Community engagement
- ✓ **Mid 2021**
 - Site investigations
- ✓ **Early 2022**
 - Final designs released
 - Early works and site establishment
- **Mid 2022**
 - Major construction started
- **2024**
 - Level crossing removed
 - New Deer Park Station open

Timeline is subject to change

Keeping in touch



To stay up to date, subscribe to email updates at levelcrossings.vic.gov.au/subscribe and select Mt Derrimut Road, Deer Park.

Subscribe to SMS updates by texting **Derrimut** to **0427 840 967**.

If you have any questions or would like more information, call us 24/7 on **1800 105 105** or email contact@levelcrossings.vic.gov.au

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CONTACT US

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