



# **Lathams road asset relocation program**

**UE BUS 5.01 - Lathams road - Jan2020 -  
Public**

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**Regulatory proposal 2021–2026**

Business	United Energy
Title	Lathams road asset relocation program
Code Identifier	UE BUS 5.01 - Lathams road - Jan2020 - Public
Category	Connections
Identified need	<p>As part of the Victorian Government's Suburban Roads Upgrade project, a 2.5 kilometre section of Lathams Road in Seaford will be widened, which will require electricity asset relocations. The identified needs for this project are to:</p> <ul style="list-style-type: none"> <li>• meet our obligations under our Electricity Distribution Licence to offer connection services and supply to a customer</li> <li>• maintain the required clearances under the Electricity Safety (Electric Line Clearance) Regulations 2015.</li> </ul>
Recommended option	<p>The following option is recommended to facilitate the Lathams Road widening project:</p> <ul style="list-style-type: none"> <li>• maintain the existing electrical assets in situ where not being affected by the road widening works</li> <li>• relocate the existing above ground 22kV and 400V assets where adequate space is available</li> <li>• underground the 22kV and 400V assets where above ground configuration cannot be maintained.</li> </ul>
Proposed start date	2020/21
Proposed commission date	NA
Supportive Documents	1. UE ATT024 - ESC - Electricity distribution licence - Jan2005 - Public

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# 1 Overview

The south east of Melbourne is growing rapidly as a result of large scale residential developments taking place in the Cranbourne, Clyde and Pakenham areas. In order to provide better access to the growth area, the Victorian State Government has initiated several road widening projects under the 'Suburban Roads Upgrade', including widening a 2.5 kilometres section of Lathams Road, Seaford, located in our distribution area. This road widening project is in a mature state and expected to commence construction in 2020. In support of the project we will need to relocate network assets.

We have completed the concept design and cost estimate for the works. Surveys and detailed design will occur in 2020/21. The cost of this works is will be customer funded and is outlined in the table below.

Table 1 Cost for preferred option (\$ 000, 2019)

Expenditure forecast	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	Total
█	█	█	█	█	█	█	█
█	█	█	█	█	█	█	█

Source: United Energy

# 2 Background

## 2.1 Road works

The Lathams Road widening project works are to:<sup>1</sup>

- add an extra lane in each direction between Oliphant Way and Dandenong-Frankston Road
- widen the existing roundabouts at Oliphant Way and Frankston Gardens Drive
- install new traffic lights at the Stephenson's Road and Colemans Road intersections
- build a new bridge over the Peninsula Link, adding a new lane in each direction over the freeway
- build a walking and cycling path
- install safety barriers along the road.

The Victorian Government expects this to:<sup>2</sup>

- improve traffic flow and travel times
- enhance connectivity for the community and businesses in Carrum Downs and Seaford
- make it easier and safer for residents to walk or cycle around the local area
- lower the risk and severity of crashes with safety barriers.

Figure 1 shows the schematic view of the Lathams Road duplication project.

Figure 1 Schematic view of Lathams Rd duplication project



Source: Major Road Projects Victoria

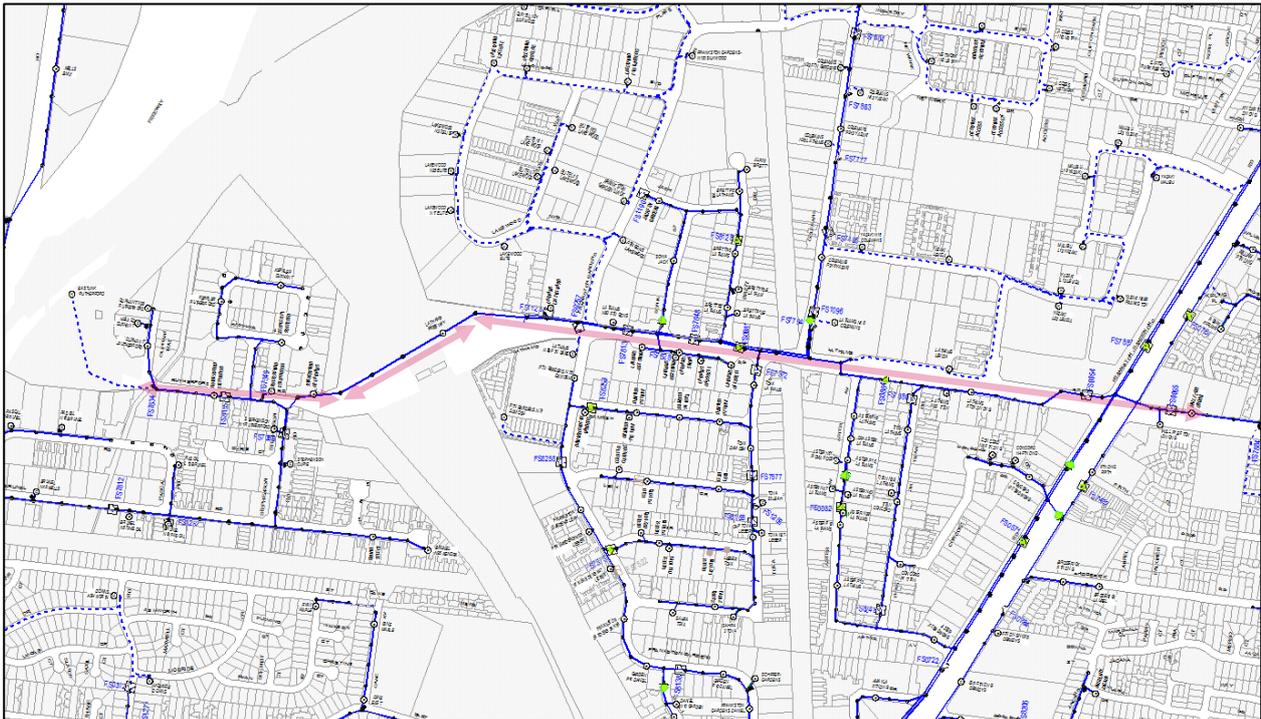
<sup>1</sup> Major Roads Projects Victoria <<https://your.roadprojects.vic.gov.au/lathams-road>>

<sup>2</sup> Major Roads Projects Victoria <<https://your.roadprojects.vic.gov.au/lathams-road>>

## 2.2 The existing electrical assets in the area

The existing electricity distribution lines along Lathams Road are located overhead and operate at both 22kV and 400V. Figure 2 shows the geographic view of the 22kV electrical assets along Lathams Road.

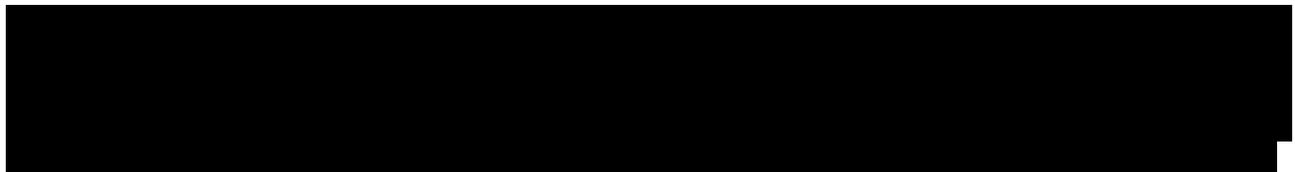
Figure 3: Geographic view of 22kV electrical assets along Lathams Road



Source: United Energy

## 2.3 Timing of the project

In 2018, the design house appointed for the project [REDACTED] approached us regarding the need for relocation of existing electrical assets in the affected area. In 2019, we finalised the concept design and budgetary cost estimate for the work.



# 3 Identified need

The identified needs for this project are to:

- meet our obligations under our Electricity Distribution Licence to offer connection services and supply to a customer<sup>3</sup>
- maintain the required clearances as per Electricity Safety (Electric Line Clearance) Regulations 2015.

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<sup>3</sup> United Energy, Electricity Distribution Licence, 2005, clause 6 (UE ATT024).

# 4 Options analysis

There is only one technically viable solution, which is to relocate our electrical assets in accordance with MRPV's requirements and our obligations.

The design house, in consultation with us, has completed the concept design, which have been provided to MRPV. The corridor available for the Lathams Road duplication project is limited. With the scope for road widening, there is insufficient space along Lathams Road to maintain the required clearances for electrical assets above ground. In certain parts along the road, retaining the existing overhead electrical reticulation is not possible. Therefore, the following approach is proposed to achieve an efficient outcome:

- maintain the existing electrical assets in situ where not being affected by the road widening works (e.g. over the Mornington Peninsula Freeway).
- relocate the existing above ground 22kV and 400V assets where adequate space is available.
- underground the 22kV and 400V assets where above ground configuration cannot be maintained. The majority of assets in the affected area are fallen into this category.
- maintain the existing electrical connectivity at both 22kV and 400V levels.

The cost of these works will be customer funded and is outlined in the table below.

Table 2 Cost for preferred option (\$ 000, 2019)

Expenditure forecast	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	Total
██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████

Source: United Energy

# 5 Recommendation

We recommend relocating the existing above ground 22kV and 400V assets where adequate space is available and underground the 22kV and 400V assets where above ground configuration cannot be maintained due to space limitations.

# A Appendix: Media release from State Government

## Media Release

The Hon Luke Donnellan MP  
Minister for Roads and Road Safety  
Minister for Ports



Sunday, 29 April, 2018

### **BUILDING A BETTER LATHAMS ROAD**

Drivers in the growing south east will get a faster, less congested commute with massive new upgrades to Lathams Road in Seaford.

The works will be part of the Andrews Labor Government's *Suburban Roads Upgrade* – the biggest investment in suburban roads in Victoria's history – to fix 22 key suburban arterials and create more than 4,200 jobs.

A two-and-a-half-kilometre section of Lathams Road will be duplicated from two lanes to four between Oliphant Way and Frankston-Dandenong Road.

Key intersections will also be upgraded at Frankston Gardens Drive and Frankston-Dandenong Road and a new bridge will be built over Peninsula Link.

These changes will reduce congestion along Frankston-Dandenong Road, improving safety, slashing travel times throughout the south east and improving access for industry.

The *Victorian Budget 2018/19* will include \$2.2 billion to upgrade 13 key arterial routes across the northern and south-eastern suburbs, on top of the \$1.8 billion *Western Roads Upgrade* announced in last year's budget.

The *Suburban Roads Upgrade* will fix more than 50 kilometres of roads across Melbourne.

As part of the Suburban Roads Upgrade package, other key routes through Melbourne's south-eastern suburbs will be upgraded, including Narre Warren-Cranbourne Road, Healesville-Koo Wee Rup Road and Thompsons Road.

#### **Quotes attributable to Minister for Roads and Road Safety Luke Donnellan**

*"This is the single biggest investment in suburban roads in Victoria's history – it will fix local roads and get people home sooner."*

*"With work already underway on the Western Roads Upgrade, this unprecedented investment will now mean the benefits of this project are felt across our city from Werribee to Pakenham, from Doreen to Dingley."*

#### **Quote attributable to Member for Carrum Sonya Kilkenny**

*"This upgrade will improve travel times, slash congestion, improve safety and boost reliability along Lathams Road so people can get to work, school and move around the area more easily."*

*"Lathams Rd is such a vital road link for many people in the local community. This important upgrade will help people get to and from work and home and provide better and safer access around the growing industrial areas."*

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