



Rail Under Road

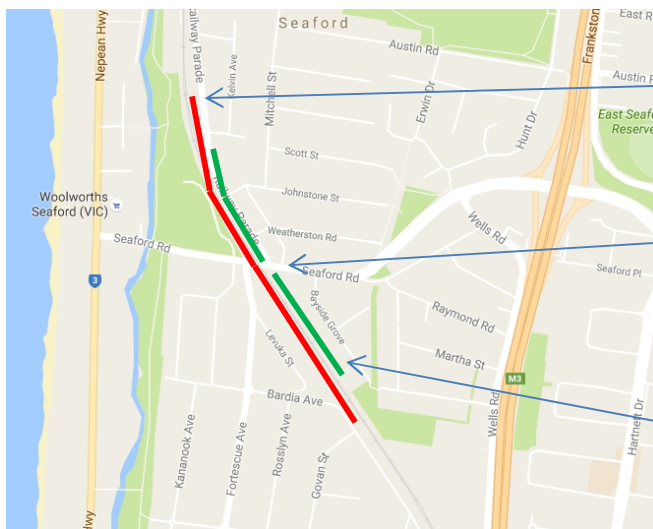
No Sky Rail: Frankston Line

No Sky Rail On Frankston Line Incorporated
Association No. A0095560C

PO Box 2037
Edithvale Victoria 3196

FACT SHEET: Rail Under Road – Seaford Road Level Crossing –

Another 8 level crossings on the Frankston Line are due to be removed. Three are already Rail Below Road: Ormond, Bentleigh and McKinnon. This leaflet explains how your local crossing can also be Rail Under Road.



Elevated Sky Rail

Seaford Road Rail under Road

Rail Under Road

Elevated "Sky Rail" Option

- 9m high tracks
- + 2m noise barriers
- + 16m high wires
- 450m ramp up
- 20m elevated bridge
- 450m ramp down
- **Total Length = 920m**

Rail Under Road Option

- 7m down to tracks
- 350m ramp down
- 20m trench
- 350m ramp up
- **Total Length = 720m**

Design Considerations

1. Rail Reserve

- A 40m wide railway reserve allowing "parallel" construction, similar to new Springvale station.
- A rail cutting can be constructed alongside the current rail line which can remain in use.
- This would cut rail closure to just a few days to dig under the road.

2. Ground Water

- Groundwater levels are similar to current Rail Under Road sites (ie: Ormond) so be dealt with as per other Rail Under Road projects.

3. Soil Type

- Local soil type (which may or may not be Acid Sulfate Soils) has supported railway operation for over 100 years. Concrete mix can be adapted for all conditions.
- Soil type (sand) can be supported with proper pile foundations, correct concrete mix, and soil anchors (as per Ormond).

4. Roadway Clearance

- Only a 6 metre clearance is required to put Rail Under Road compared with 9 metres for Rail Over Road (aka Elevated Sky Rail).



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Site Assumptions

Parameter	Description	Source
Groundwater Depth	Could be as low as 4 to 5 metres below average ground level.	Victorian Government Bore Logs http://www.vvg.org.au/
Soil Type	Coastal Dune Deposits (sand)	Victorian Geology maps
Traffic Volume	<ul style="list-style-type: none"> High = 17,400 vehicles/day 210 trains/day Boom Gates down for average of 32 mins between 7am and 9am 	LXRA Community Consultation Information Displays
Other Factors	Kananook Creek 200m to the west of the crossing	

Rail Under Road – Advantages

❖ Less Pollution

- Rail Under Road will also reduce, rather than increase, air-borne pollution.
- a rail line in a cutting will be much quieter than elevating it 9m in the air.
- Less visual pollution and less opportunity for graffiti

❖ Retain Property Values

- Property values will be preserved or increased, rather than facing a 20% decline as predicted with Sky Rail.

❖ Less Council maintenance and increased rate revenue

- No extra cost to council for cleaning (graffiti, removing dumped rubbish, etc) under an elevated Sky Rail if the crossings are put in cuttings
- No loss in rate revenue as property values will not decline.

❖ Legacy Solution

- A Rail Under Road option will be a proper long-term infrastructure solution that will increase the amenity of area and leave a lasting legacy that will not be an eye sore for generations to come.

What would you prefer?

This

or

THIS



Sky Rail under construction in Hawaii

OR



Rail Under Road station at Springvale

Donations: <https://www.givenow.com.au/noskyrailonfrankstonline>