



# Wolgan Road Preferred Option **Status update**



## Agenda topics

- 1 Previous work
- 2 Assumptions
- 3 Options considered
- 4 Shortlisted options
- 5 Current project status
- 6 Key issues
- 7 Next steps



## Previous work

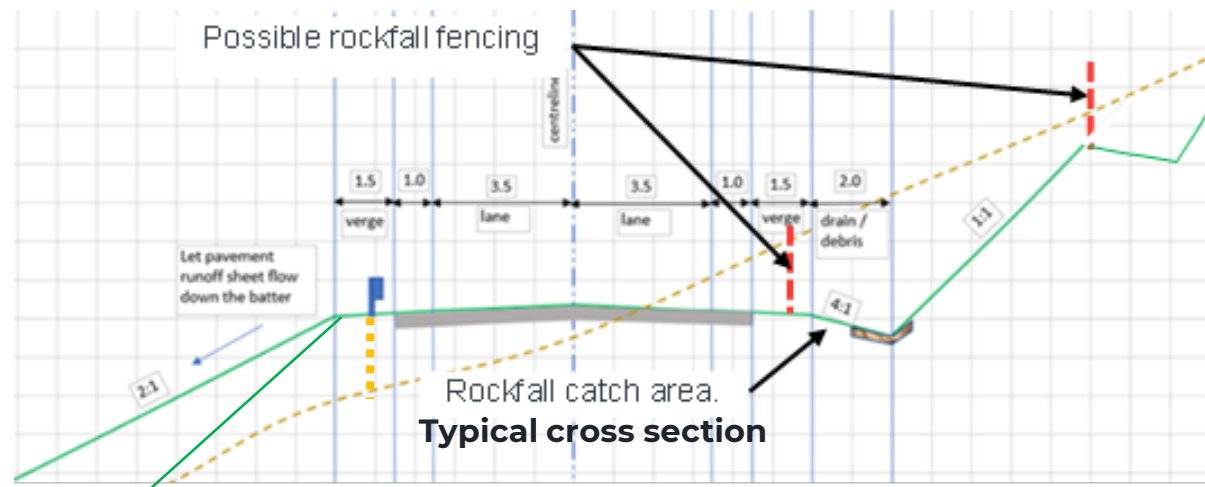
- **Wolgan Road slope stability studies**
- **Report on route constraints**
- **Report on preferred corridor location**
- **Report on preferred alignment within preferred corridor**



# Criteria for new road options

- Eastern side of valley preferred on geotechnical grounds
- Road suitable for single unit truck and passable by semi trailer
- Preferred gradient 10% - 15%, absolute maximum grade 17%
- Resilient to weather conditions, minor rockspills
- Designed to facilitate maintenance
- Preference to maintain Donkey Steps as functioning route

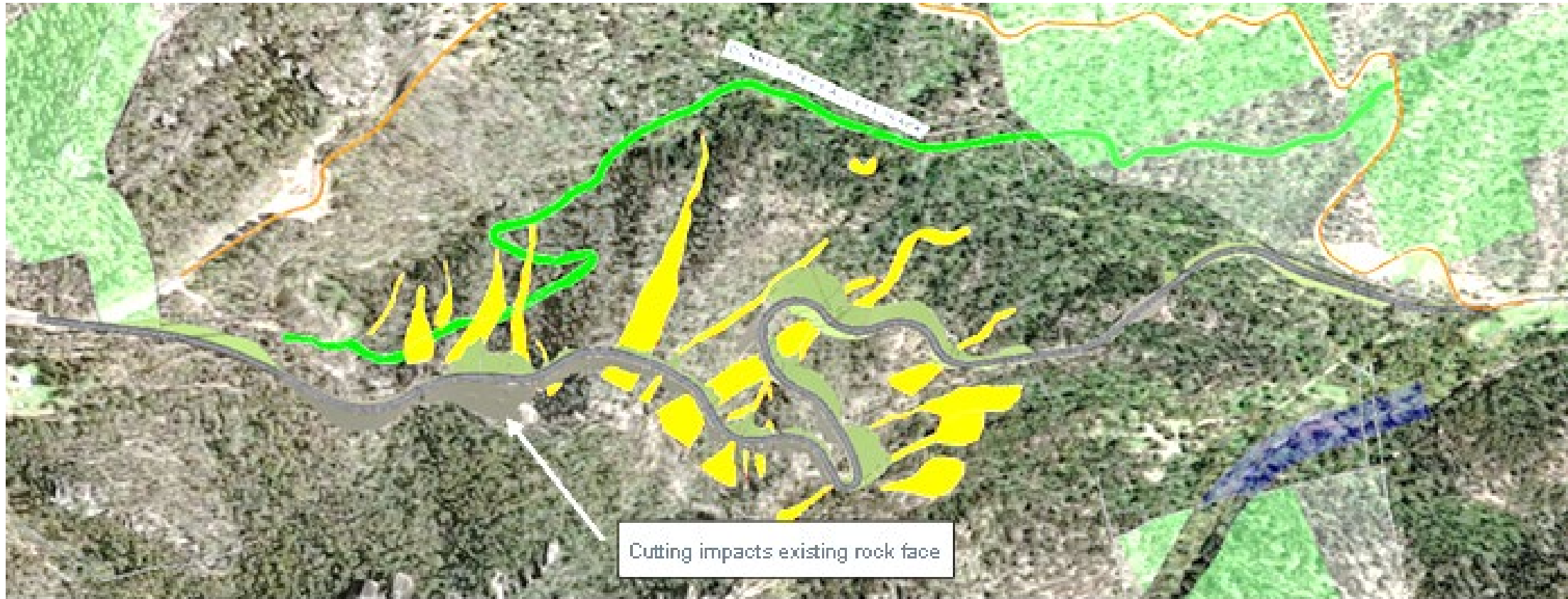
## Initial option development



- Refer following slides of initial options



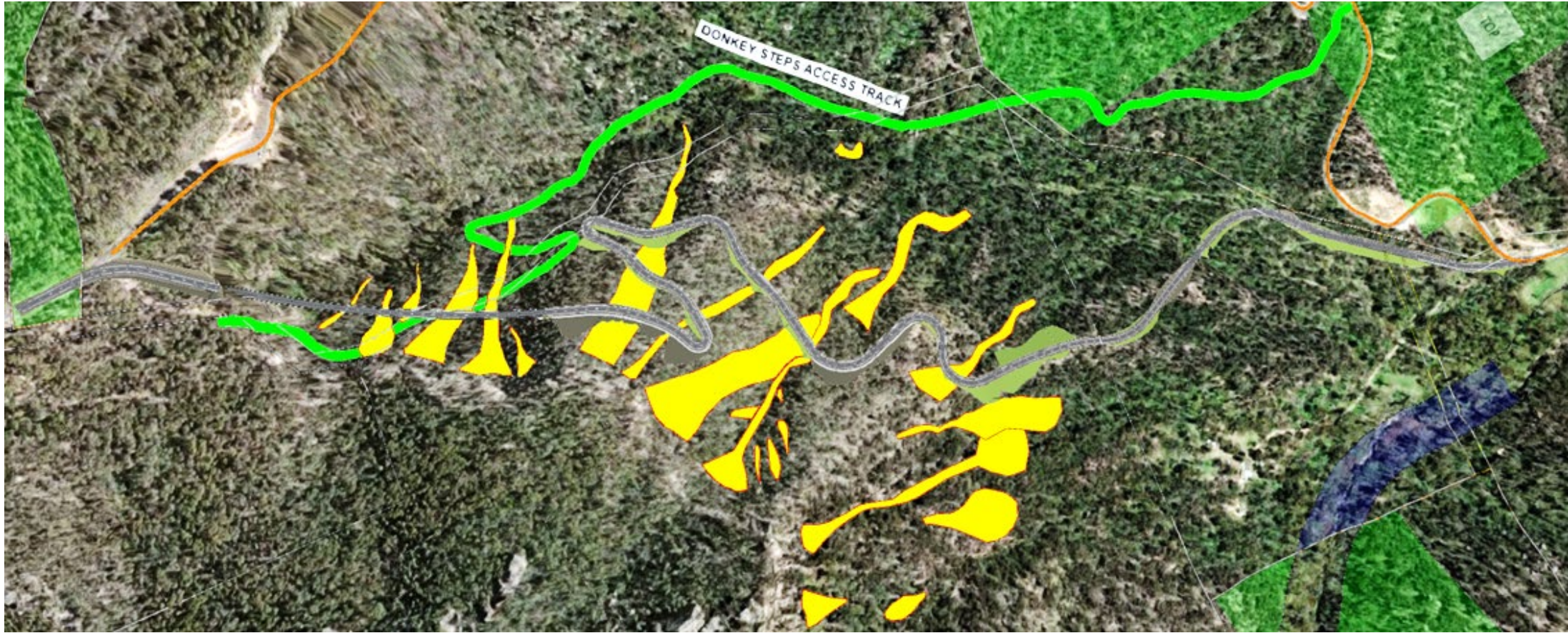
# Option 1



## Option 2



# Option 3

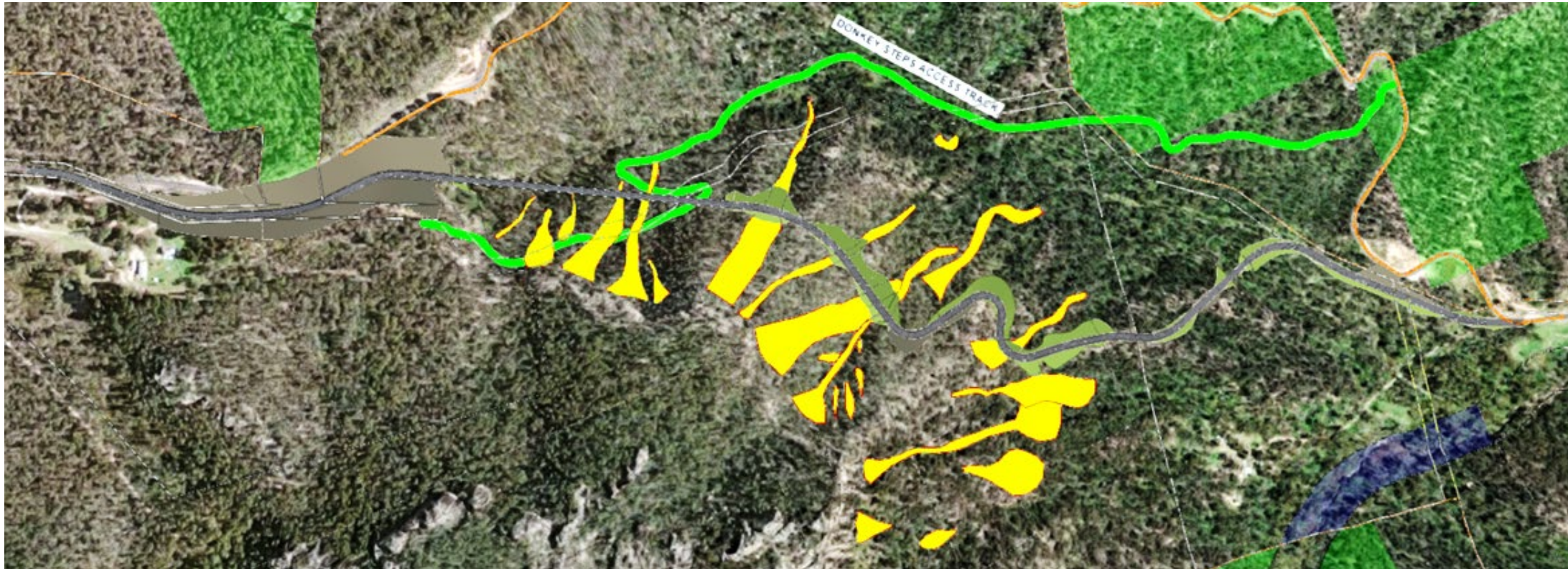


# Option 4





# Option 5



# Option 6



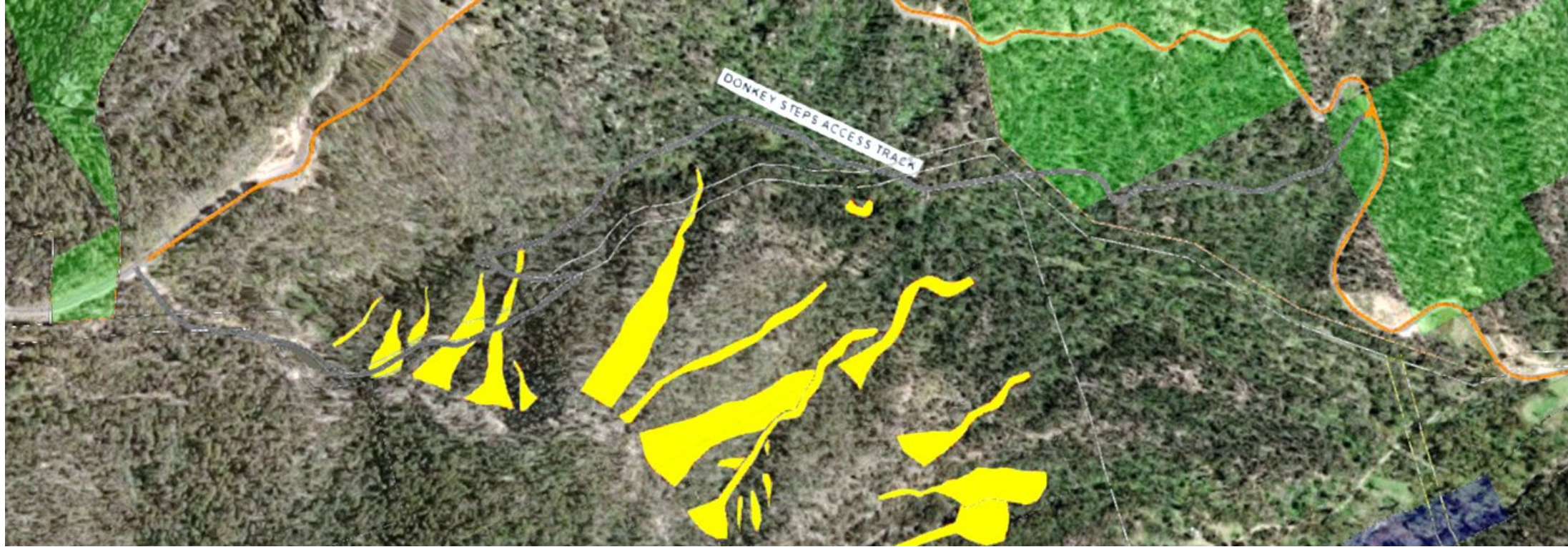
# Option 6A



# Option 7



# Option 8



# Option 8A



# Option 9



## Initial Option sifting

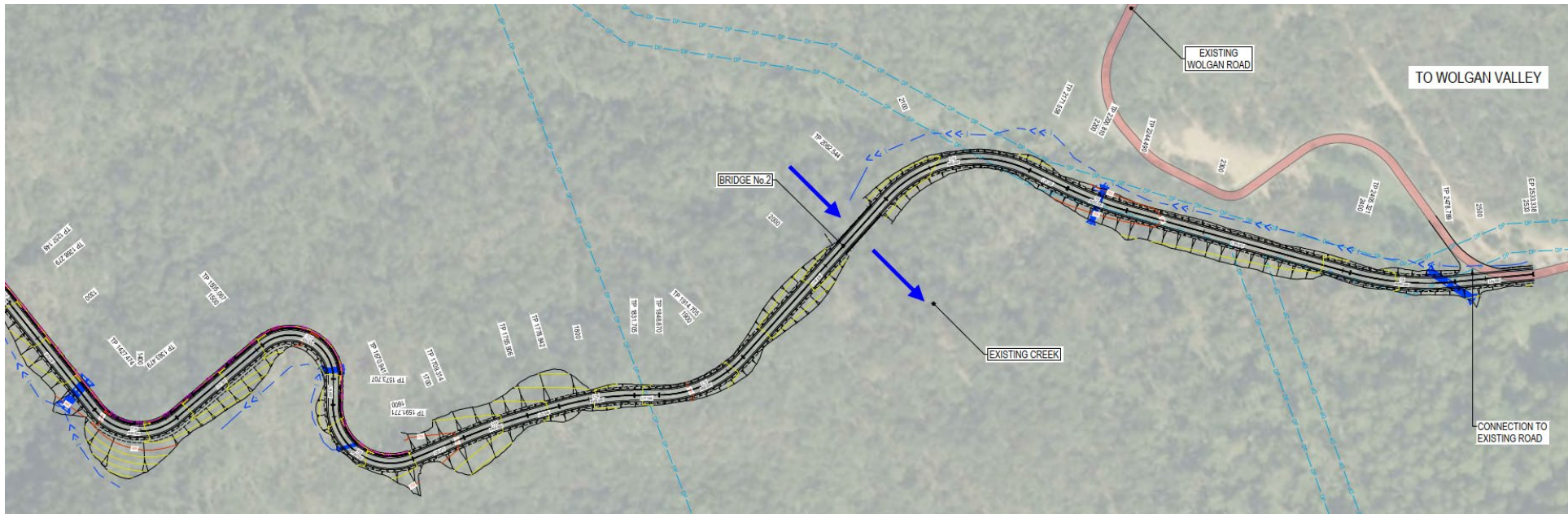
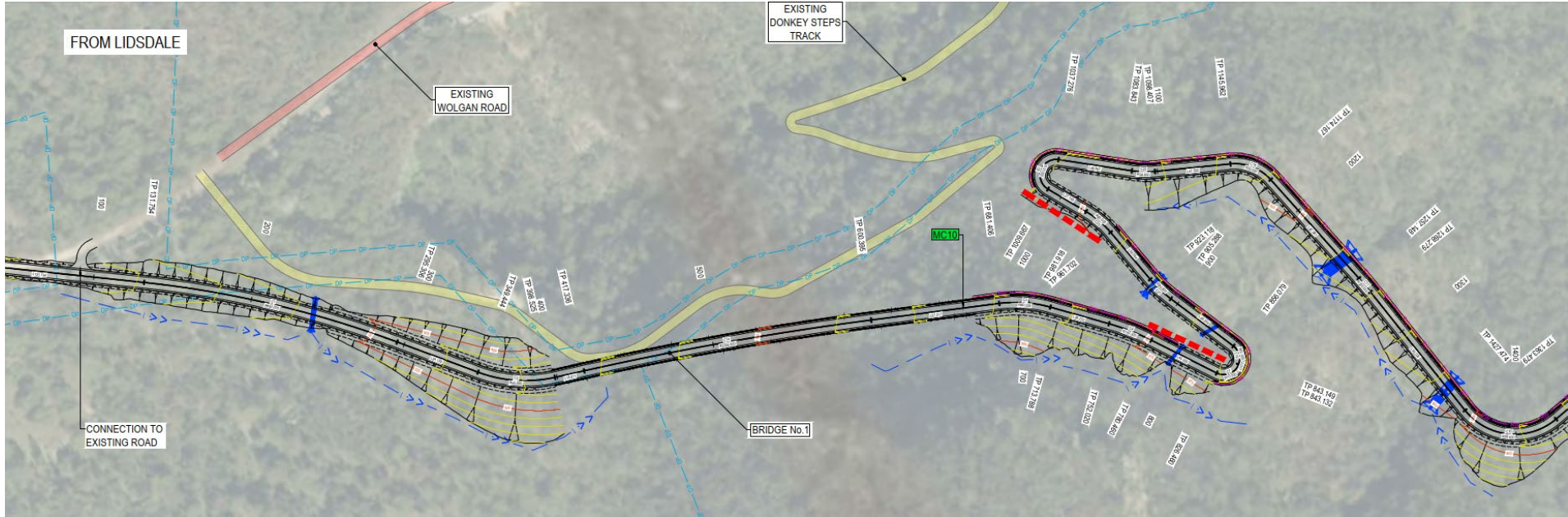
- Option 1 – cuts into rock outcrops, not desired visual outcome **X**
- Option 2 – east side of Donkey Steps, bridges over steep terrain **✓**
- Option 3 - west side of Donkey Steps, bridges over steep terrain **✓**
- Option 4 – (scenario for minimum standard) narrow cross section and tight curvature **X**
- Option 5 – deep cut allows lower traverse of slope and improved horizontal alignment **✓**
- Option 6 /6A – (scenario for long bridge) – costly and uses existing western side **X**
- Option 7 – flatter grade at expense of travel time and driveability **X**
- Option 8 /8A – Donkey Steps routes, not meeting minimum standards **X**
- Option 9 – similar to Option 2 & 3, impacts Donkey Steps **X**

## Shortlisted options

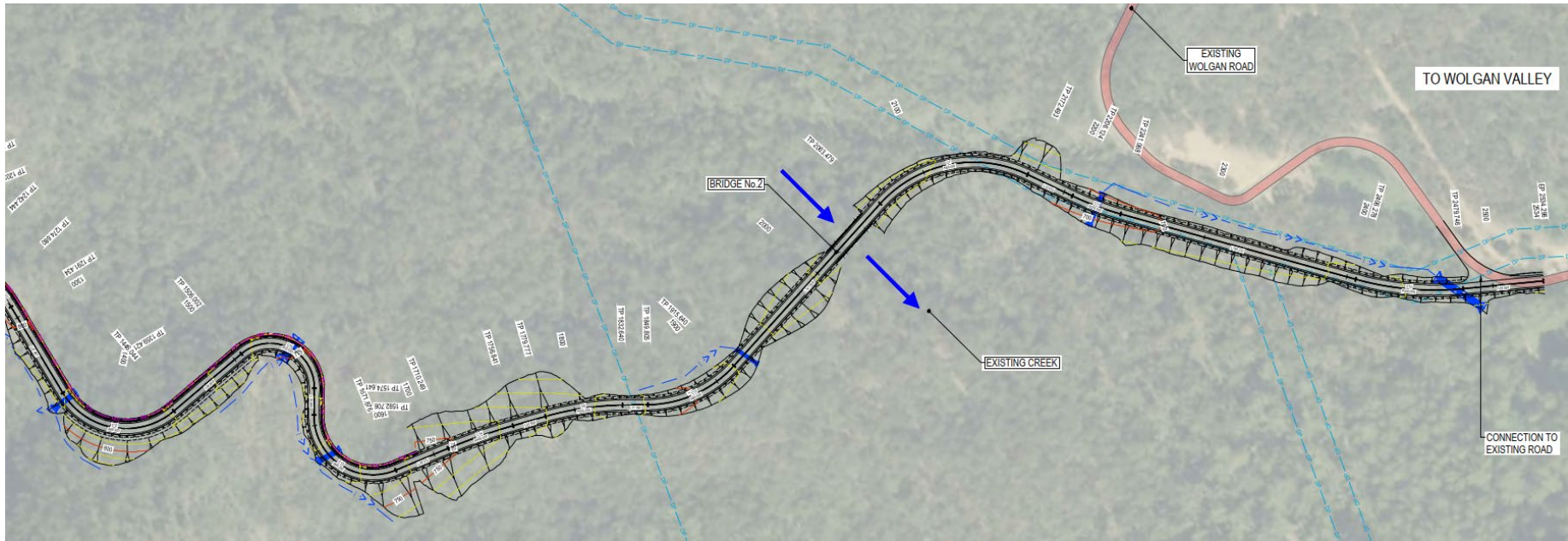
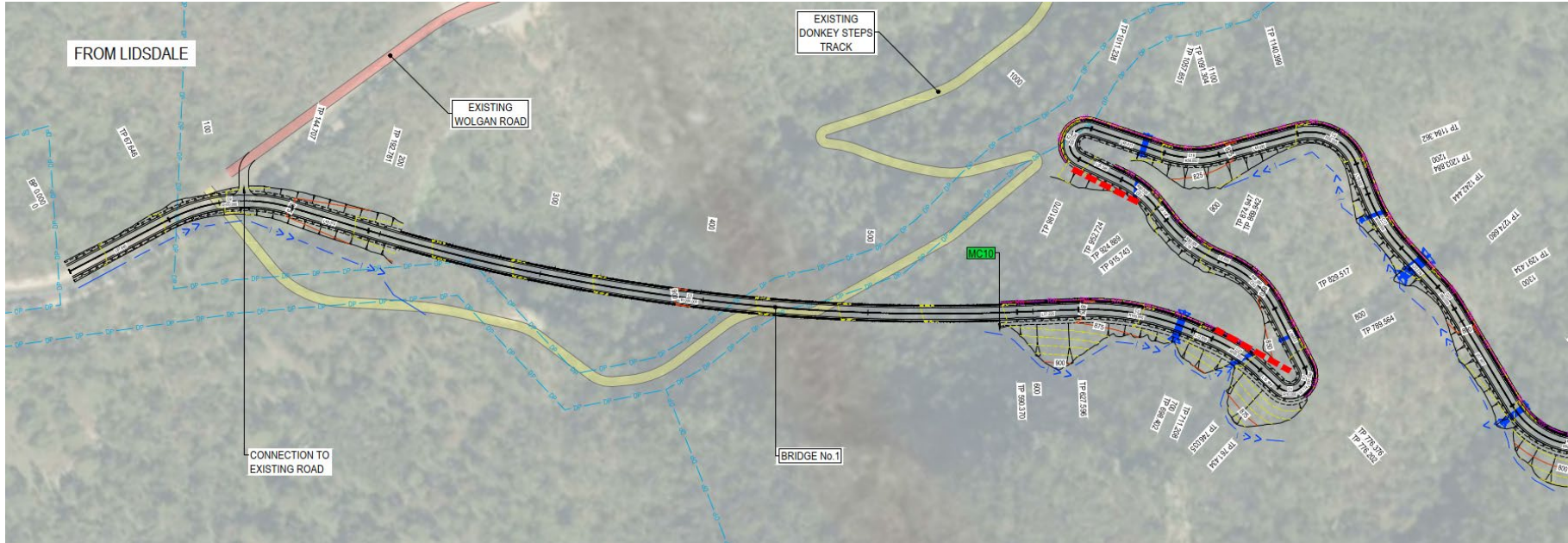
- Option 2 – east side of Donkey Steps, bridges over steep terrain **✓**
- Option 3 - west side of Donkey Steps, bridges over steep terrain **✓**
- Option 5 – deep cut allows lower traverse of slope and improved horizontal alignment **✓**



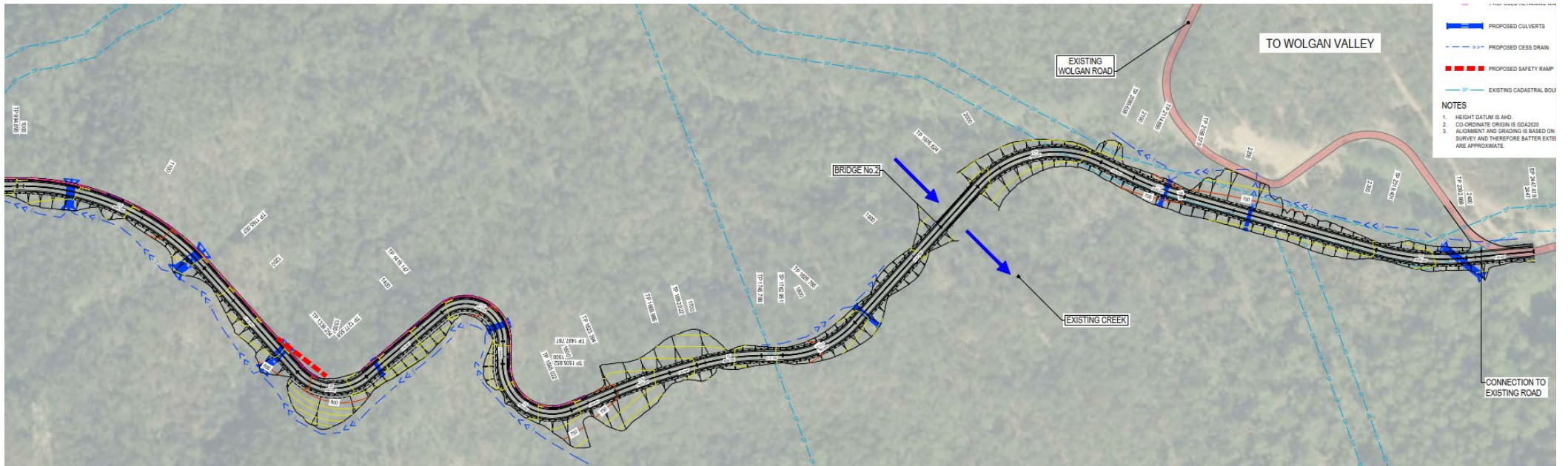
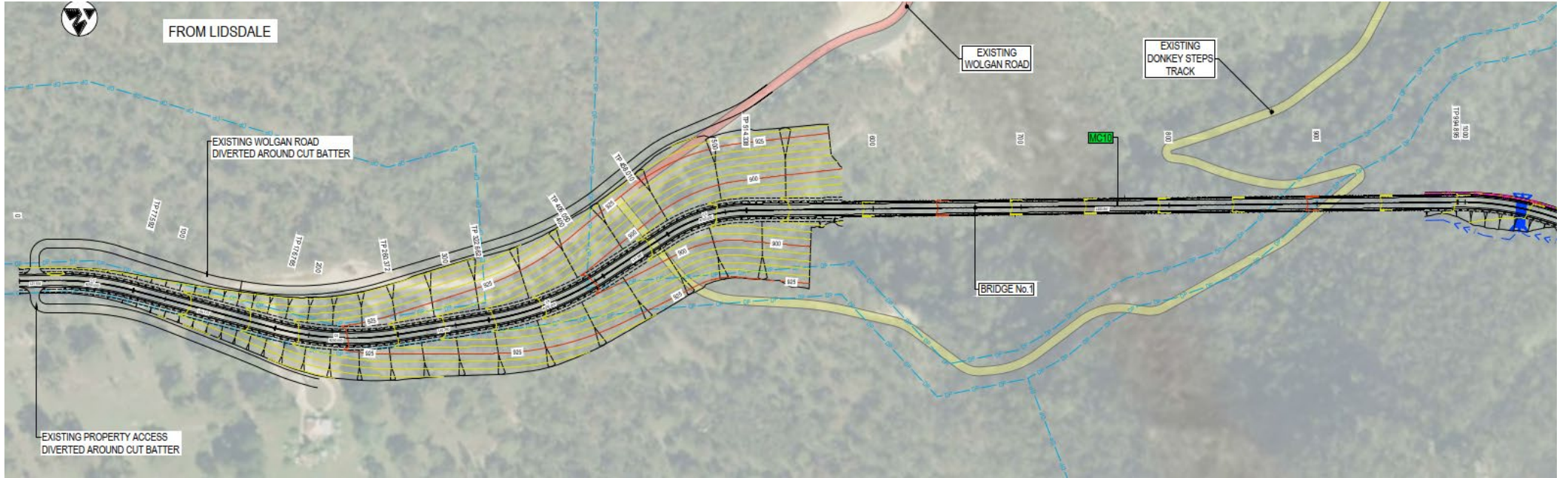
# Option 2



# Option 3



# Option 5



## Current status

- **Draft 95% report and drawings issued to Council for comment**
- **Ongoing studies are:**
  - Ecology impacts – fieldwork completed
  - Option costing – underway

## Key issues

- **Delivery timeframes**
- **Obtaining funding for construction**
- **Planning approvals**
- **Construction procurement**



## Next steps

- **Incorporate council feedback on draft report**
- **HSiD / risk workshop – to come**
- **Complete remaining study tasks and issue final report**
- **Engage with NSW planning and stakeholders on required approvals**
- **Engage with funding authorities**
- **Preferred option refinement**





Thank you



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