

REAAA[®]
Driving Progress

ROAD ENGINEERING ASSOCIATION OF ASIA & AUSTRALASIA (NZ)

Bulldozing Ahead Lake Sumner Road



Kushla Tapper Hurunui District Council

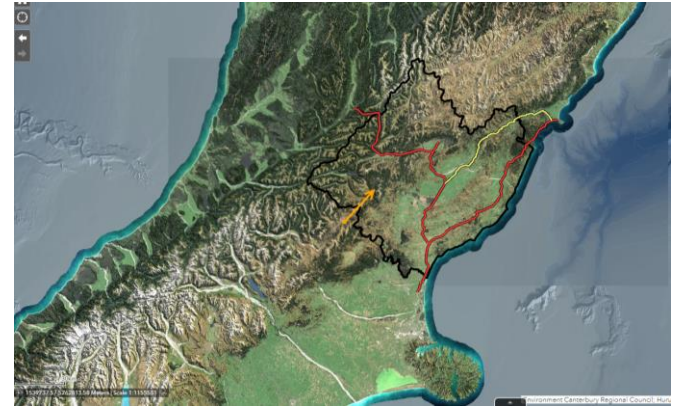
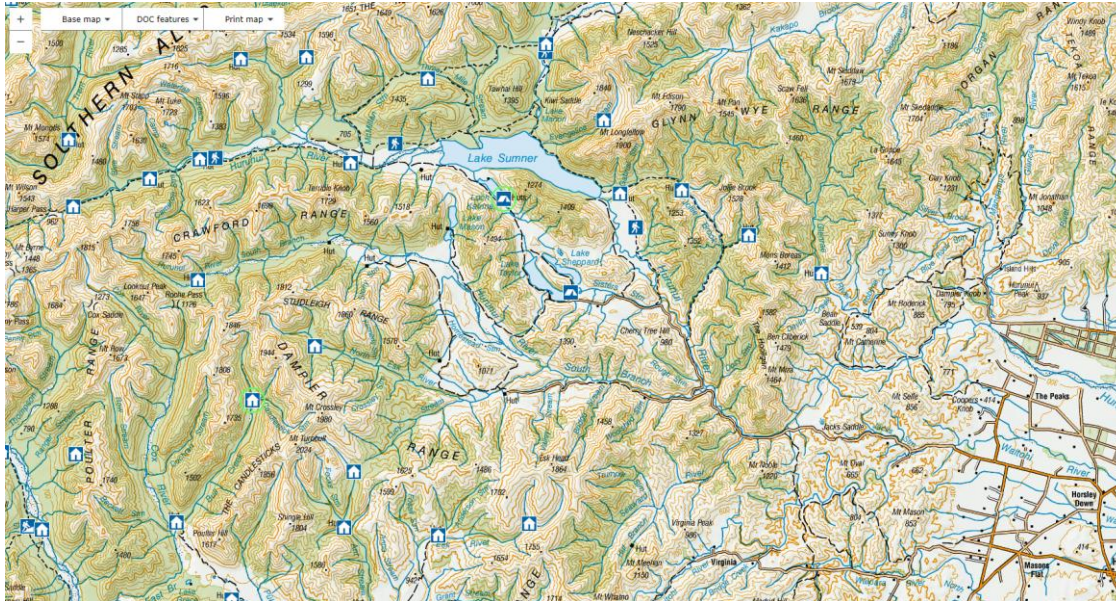


**LOW
VOLUME
ROADS
WORKSHOP
2022**

LOW VOLUME ROADS WORKSHOP 2022

Lake Sumner Road

- 40km long
- Access to LINZ and DOC land 115,355 HA
- 28,000HA in 3 runs



Lake Sumner Road – how feasible is it?

- Not near road reserve
- History of washouts
- No alternate route
- Powerful river
- Minor realignments
- More to come?



Cyclone Dovi Washout, February 2022

South branch of Hurunui River undermined the road.

Key Partners:

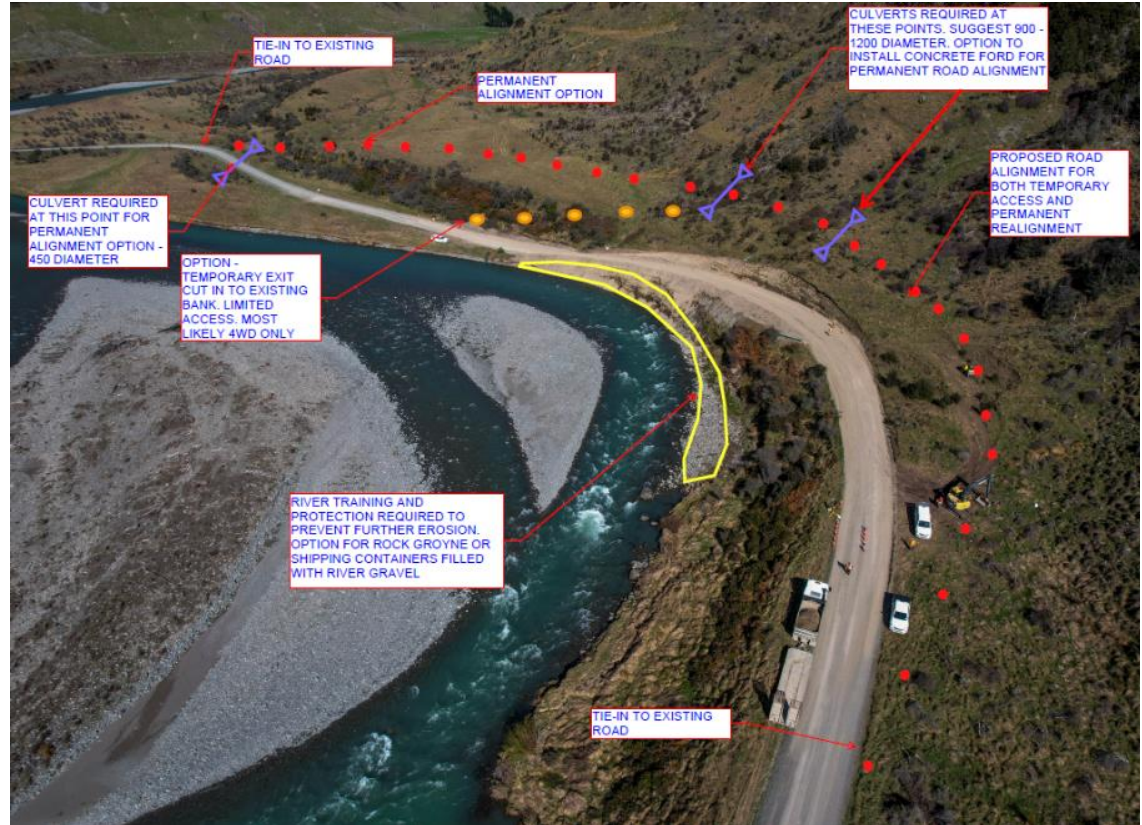
- Department of Conservation
- Land Information NZ
- Environment Canterbury
- Three Run Holders
- Contractors
- Waka Kotahi
- Hurunui District Council
- Public



Happy Sunday!

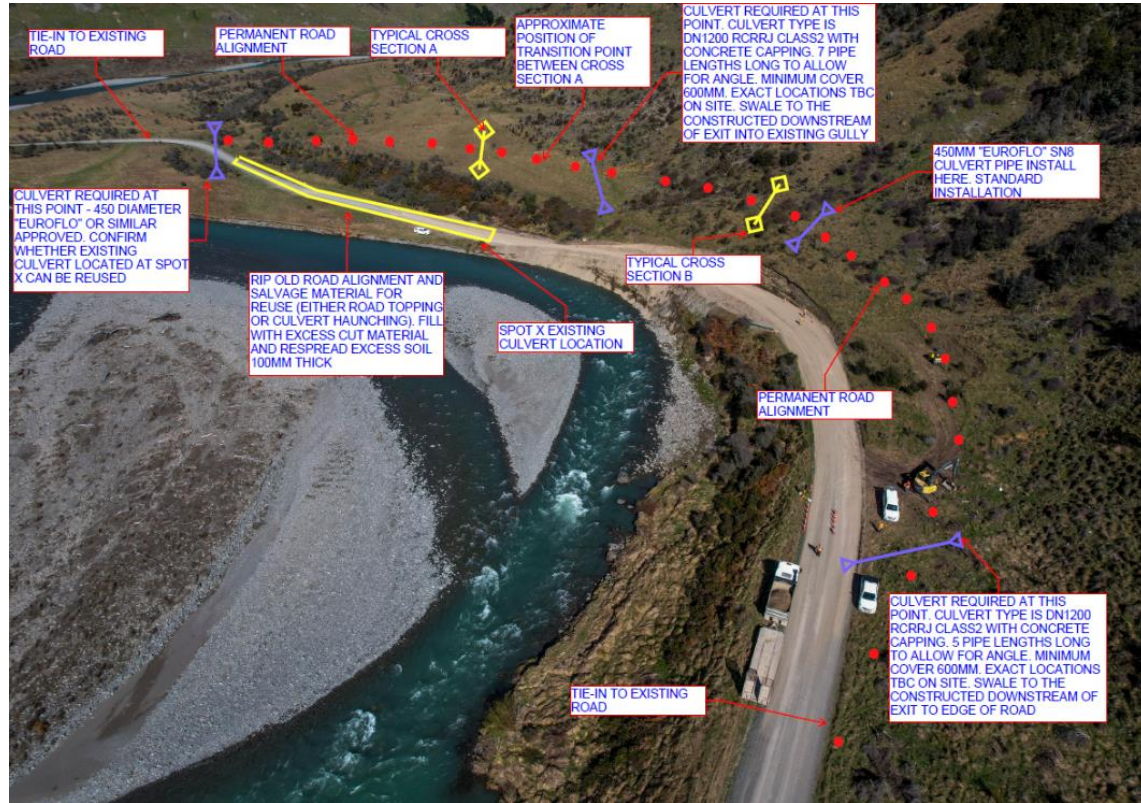
Initial Response

- Close Road - COMMS
- Establish local needs
- High level prelim design
- Engage partners for permissions
- Source materials
- Question the lizards



Phase two...

- Meet partners, step out
- Refine basic plan & estimates
- Dozer time! Crushing
- “Hairy Scary” establishment
- Optioneering and bid
- Beg, borrow... steal?



Shifting a river

- D8 seemed tiny
- Waiting game
- No upsetting the fish!



Why not rocks?



Nelson, Marlborough, West Coast Police

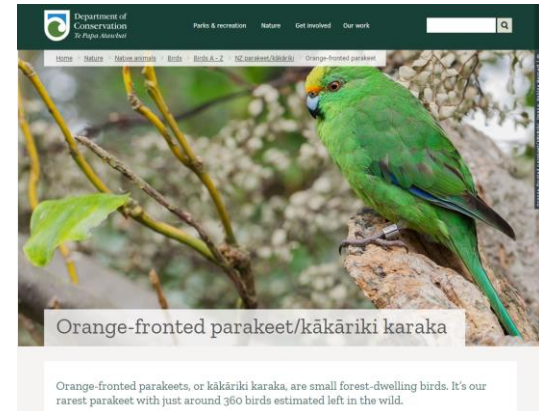
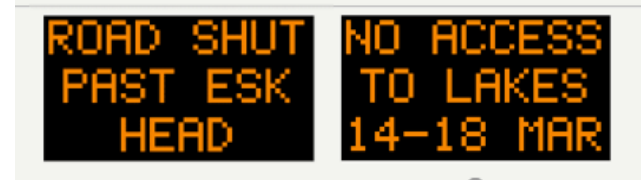
3 August at 15:05

Dwayne The Rock Johnson has nothing on this rock which closed down SH6 over the weekend. Many of you commented and asked why we couldn't just 'move it to the side'... here's our officer for scale.
Beep beep.



Curiosities and Challenges

- Remote
- Covid Red
- DOC access & Farm needs – shearing time
- Recreational demand
- Lost cameras and marriage breakups?
- Parakeets and Prize Fish



Multi-organization Collaboration

- Lower emissions
- Views from different lenses
- No red tape
- Quick responses
- All in the same boat
- Cohesive response to public



What did we get?

- Access and Resilience
- 490m new road
- River control
- Better alignments
- VFM
- Relieved partners
- Stockpiled material



Number	Color	Stockpile name	Material name	Material volume	Ground Compensation	Total volume (m³)
1	Green	SP01	AFMS	400m	From borrow pits	3,206.2
2	Red	SP02	AFMS	400m	From borrow pits	70.3





**Three months
(four storms)
later...**





**Lake Taylor, Lake Sumner Road
Waka Kotahi Technical Audit Tour**

Special Thanks to

- Waka Kotahi
- Department of Conservation
- Land Information New Zealand
- Gunn Family
- Lakes Station
- Environment Canterbury
- CORDE
- North Canterbury Rutbusters
- Hurunui District Council
- REG

