



**ROAD SAFETY  
INITIATIVE**

**Safer journeys through  
safer roadsides**

# Public Safety Risk

2010 to early 2015,

Average Fatalities per Year:

- Within entire Electrical Industry: 0.6
- Car vs Pole: 29

“As an industry are our priorities right” ?



NZ TRANSPORT AGENCY  
WAKA KOTAHĪ

**EA networks**  
*connecting our community*



# Safety and Reliability Improvement

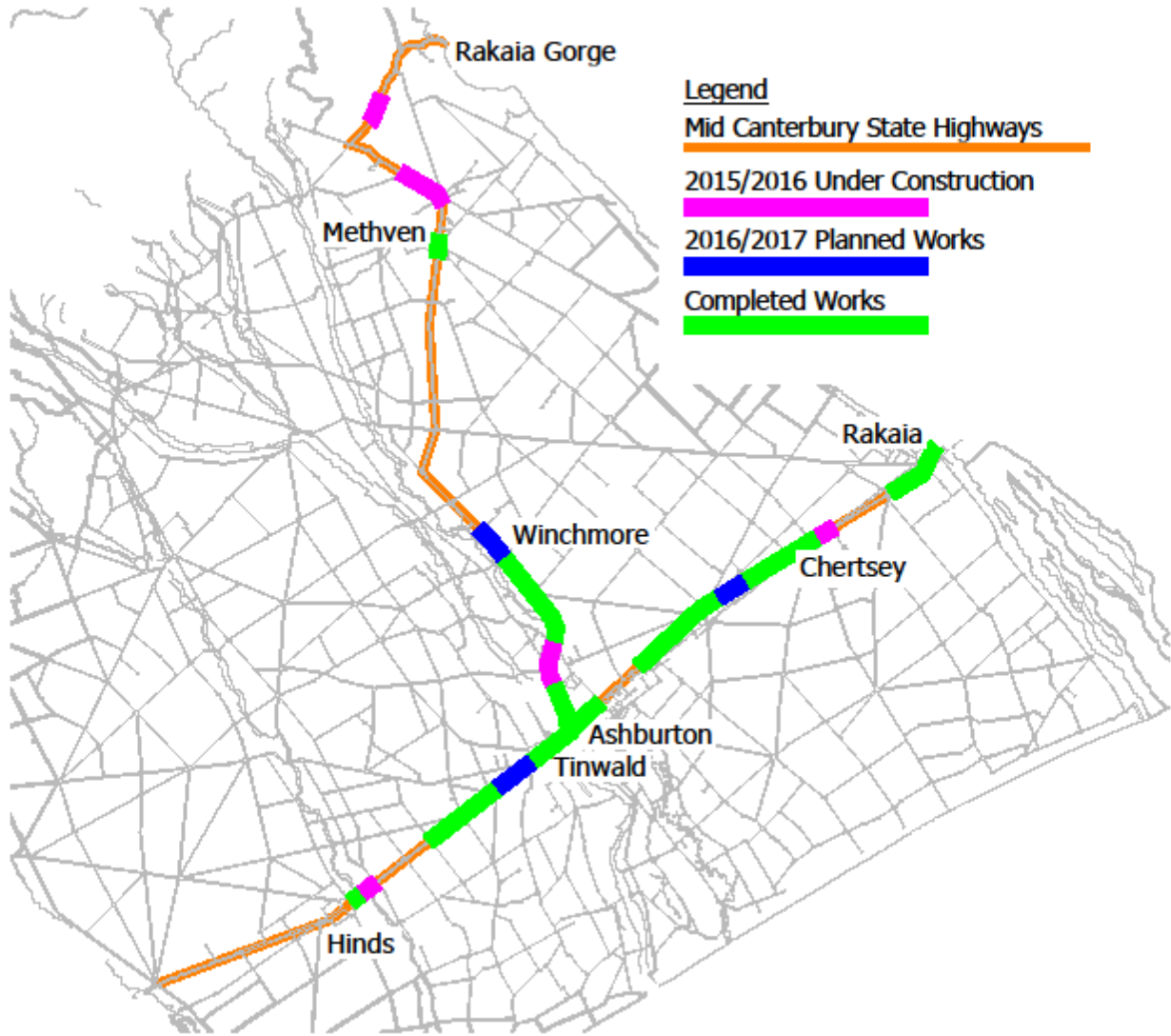
## Removing poles next 6.2km

### Project Completion July 2015

# Mole Plough in Action







- Legend**
- Mid Canterbury State Highways
  - 2015/2016 Under Construction
  - 2016/2017 Planned Works
  - Completed Works

# Customer 22kV “Tee” Boxes



# Roadside Transformers



# Financial

- U/G lines are more expensive but improvements in ploughing technology have improved costing's.
- Expensive items are drilling across road, customer connections and switchgear.
- Finished costs can be between 1.5 and 4 times overhead cost driven principally by the number of customer connections
- Collaboration with Transport Agency has contributed towards civil costs.
- Greatest benefit (social) not returned to the Network operator bearing the cost.



# Partnership

**EA** *networks*





# EA networks

