Engineering for Incident Response

REAAA 2017
Today
“Every minute counts”  “Keep Auckland moving”
Case study – Truck in berm
Effect on Northbound Carriageway
Vehicle resting in berm (Trees) SH1 NB between Papakura - Takanini

- Morning peak
- Incident starts
- Vehicle recovery begins
- Peak of disruption caused
- Network recovers

Northbound Travel Times

Typical Weekdays  Day of the Incident
Effect on Southbound Carriageway

What would happen if incident ran into peak?

Network recovery?
Planning and Preparedness

Crisis Management Center
Bridge Strike - Penrose
Fertilizer Spill
Hazardous Waste Spill
Paint Spill
Fish Spill
Chicken Offal Spill
Cattle Spill
Fruit Spill
Potato Spill
Car Crashes
Rollovers
Car Fires
Incident Phases

- Road Reopening
- Detection, Verification, Mobilisation
- Preservation of Life
- Road Restoration
- Preservation of Environment
- Vehicle Recovery
- Incident Management
- Investigations
My Role
Debrief and Learnings
Questions?

Thanks a bunch!

Thank you to Google images as well as individuals from AMA who attended incidents for their photos.