Responding to The Kaikoura Earthquake – Reconnecting Communities via the Inland Road, Route 70

Scott Ford – GM Southern
Phil Collins – Kaikoura Operations
Reconnecting Communities via Route 70

14 November 2016

7.8 Earthquake – actually 2 in quick succession…21 Fault Ruptures!
Horizontal and vertical lift
Reconnecting Communities via Route 70

New Zealand Government
Te Kāwanatanga o Aotearoa

Many Small local contractors/Suppliers
Inland Road, Route 70 (KEAR) Kaikoura Emergency Access Road
Kaikoura Monday 14 November
The sequence of events

Monday 12.02 Kaikoura Earthquake

- Monday 03.30 Establish CIMS
- Monday 0400 Establish satellite communication with Christchurch
- Monday 0600 Send senior supervisor to survey damage by chopper
- Monday 0930 Attend Kaikoura civil defence meeting

Stand all crews down

Agree with NZTA and local council to collaborate and combine efforts to open Inland route to Kaikoura

Tuesday
- Attend civil defence meeting and establish strategy

Brief crew early AM tool box
Safety

40 Staff accommodated at Lyford lodge

Lyford compound 400M above sea level
Communications

15 High altitude booster stations

Over 100 radios deployed in the first week
The assessment over of the Inland Road
Wandle Stream Bailey Bridge
Conway Bluff Inland Road
Removing hazardous boulders
Whales Back Slip
Plane Failure
Whales back diversion bottom road
Whales Back Diversion
Multiple culvert collapses
Over 113 cleaned and approx. 50% replaced
Army essential supplies

IN NUMBERS

105 km
CULVERDEN TO KAIKOURA

04 HRS
TRAVEL TIME BY CONVOY

60 MINS
BEFORE EARTHQUAKE

27 TRUCKS

SPEED: 30 km/h

DELIVERED 44 TONNES OF SUPPLIES

7320 LITRES OF DIESEL

1540 LITRES OF PETROL

10,000 LITRES OF WATER
First New World truck
Ongoing issues

SH1 Averages 3500 vehicles a day of which 850 plus are heavy vehicles

Route 70 normally carries approx. 400 vehicles a day

SH1 is closed by NCTIR on Tuesday Wednesday and Thursday

SH70 is burdened by SH1 traffic

Carriageway failures

Heavy oversize vehicles

Snow
Team Approach
Rural Kaikoura
Southern Link Canterbury – NC NOC
Questions?