

# Nelson Arterial Traffic Study

## Response to Questions

# Freight Demand

- 1200 heavy vehicles on SH6 (6%)
- 20% increase from 2000 to 2010  
c.f. 0% total traffic growth
- To 2036 model predicts additional  
15-25%

# Fuel Price Sensitivity

<b>AM peak</b>	<b>2006</b>	<b>2036</b>	<b>2036 + 100% Fuel Cost</b>
Number of Trips (whole model)	37,000	46,000	41,000
Kilometres travelled (study area)	110,000	144,000	115,000
Average trip length (study area)	6.96	6.85	6.18

# Fuel Price Sensitivity

- Percentage increase for 100% fuel price increase 2036

Hourly Traffic	AM	IP	PM
Rocks Road Northbound	-34%	-31%	-18%
Rocks Road Southbound	-32%	-31%	-22%
Waimea Road Northbound	-14%	-19%	-11%
Waimea Road Southbound	-24%	-19%	-9%

# Recession vs Traffic Vol

- Even though historically 0% over last 10 years this has not affected modelling
- Model has 2006 as base year
- Model predicts 30 years in the future long time period which would include recessions and growth periods