

# "SmartTrip" - Testing a road pricing concept to secure smart futures

ENZ Transportation Conference 2024

Tauranga City

**調Beca** 

Sarah Dove, TCC and Craig Richards, Beca

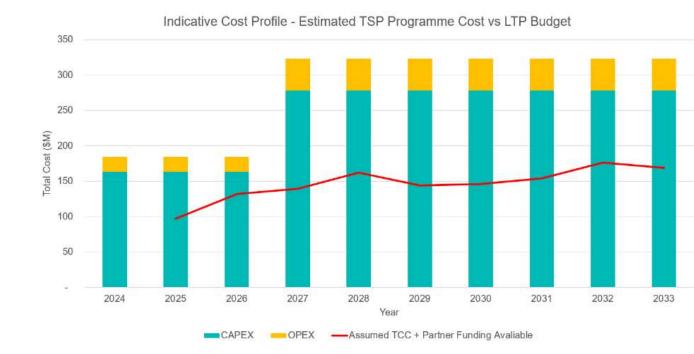
# Overview – work to date timeline

- 1. UFTI: investigate and introduce economic instruments to influence travel choice
- 2. <u>SmartTrip Investigations</u>
- 3. Engagement SmartTrip
- 4. Coalition agreement ACT-National Party 'time of use road charging, focus Auckland'
- 5. NZTA invited TCC to work on a Nationally Consistent Approach (working group)



# Study Objectives

- Support urban form outcomes (primary outcome)
- **Optimisation** of transport system network performance worsens 2035+
- Improve travel time reliability and levels of service
- Raise revenue to invest in local transport solutions – accelerate financing/funding SG infrastructure program e.g. TSP
- Lower carbon emissions
- Incentivise travel choice



# DRP or VRP?

True **DYNAMIC Road Pricing** requires:

- Price certainty when price is notified to driver.
- **Price notification** in advance of priced route driver make informed decision and consent.
- Choice of alternatives must be easy and safe.

DRP only suitable for managed lanes, i.e. premium service.

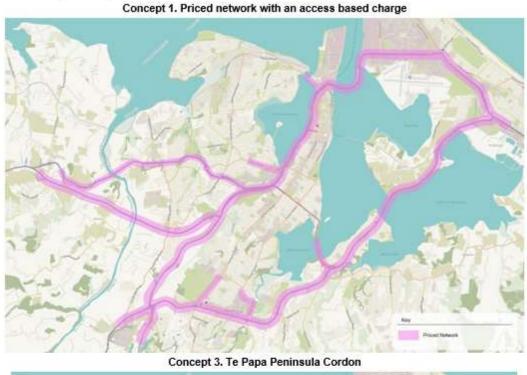
VARIABLE Road Pricing much more common. E.g. Singapore ERP, Oslo, Stockholm





#### Tauranga VRP

- Stage 1 modelling



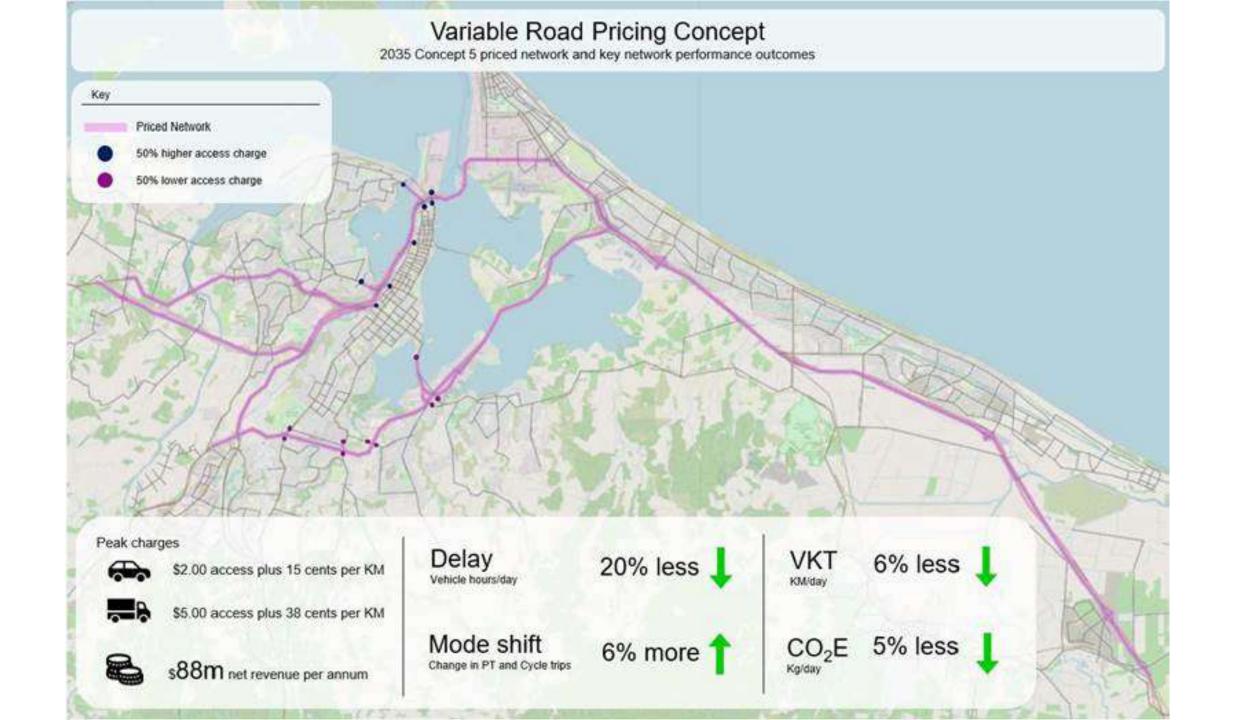


Concept 2. Priced network with a distance based charge

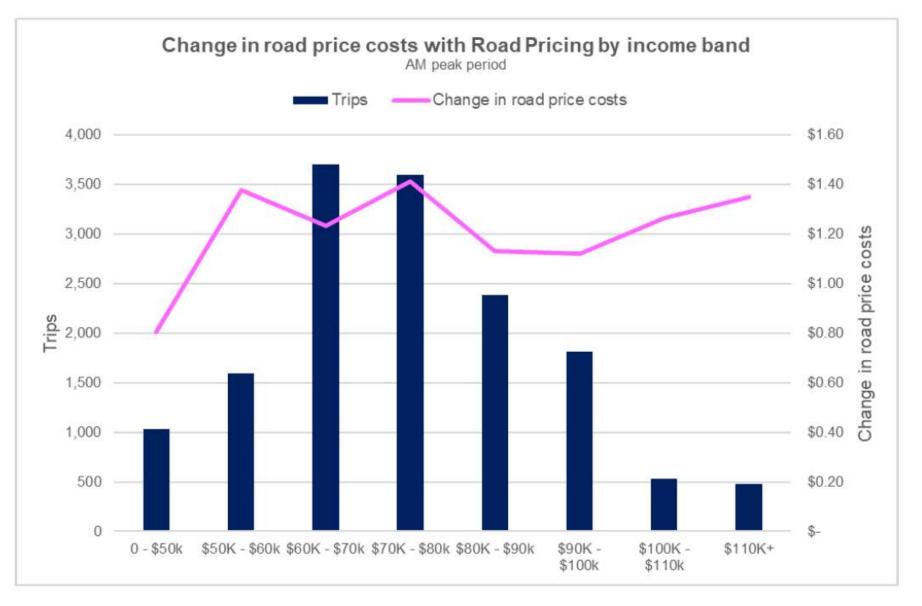


Concept 4. Te Papa Peninsula Cordon + CBD Cordon

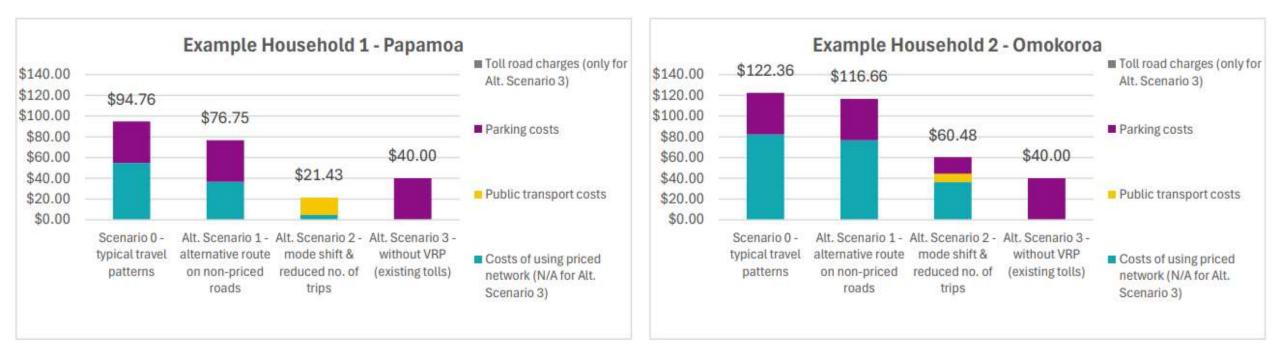




### Tauranga VRP – Stage 2 Modelling



# Household cost analysis



Whilst travel expenses of households will increase with implementation of VRP, impact will be different depending on household circumstances. There are options & alternatives to lessen costs.

In general, travel time is reduced with the VRP concept implemented, up to 17% reduction.

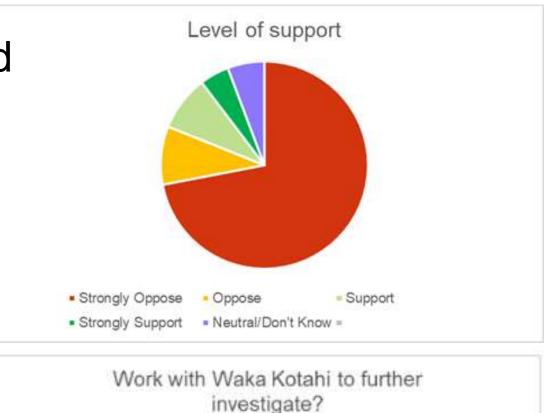
# LTP consultation: "SmartTrip" brand

Three engagement questions were asked:

- (a) 'What is your level of support for using SmartTrip variable road pricing to accelerate Tauranga's investment in a better road network and transport services thereby reducing congestion and carbon emissions?
- (b) Should we work with Waka Kotahi and Government to further investigate SmartTrip through a business case investigation? (This would confirm the benefits variable road pricing could provide and identify solutions which would address any potential negative impacts).
- (c) Any comments?

#### Utunga haere SmartTrip





Yes No.

# SmartTrip consultation feedback

Most common topics for <u>not supporting SmartTrip</u>:

- Cost of living / not able or willing to pay more
- Quality of other modes needing improvement
- Equity (affecting low incomes or certain suburbs)
- Can't change travel time (teachers / doctors / retail / medical appts)
- Nationally vs. Local
- Competition with other regions
- Unwelcoming for visitors/tourists

#### Anger at Tauranga's congestion charge plan



Traffic congestion is nothing new in Tauranga. File photo/SunLive.

"Money grabbing," "we might as well hand over our whole pay cheque", "disgusting".

# What's next for SmartTrip?

Commissioners resolved (March 2024) to:

- NOT progress a business case
  - > Rationale: engagement results, govt direction, AT's aspirations
- Agreed to work with NZTA and other interested councils on a nationally consistent approach for road pricing
- Up to \$1.5m for investigations (500k pa)
  - Local studies and/or contributing to national studies tbd

Utunga haere SmartTrip



#### Questions

