



# Hamilton Region Update

SNUG – Sept 2024

# News in the 'Tron

- **New Signal Maintenance Contractor**

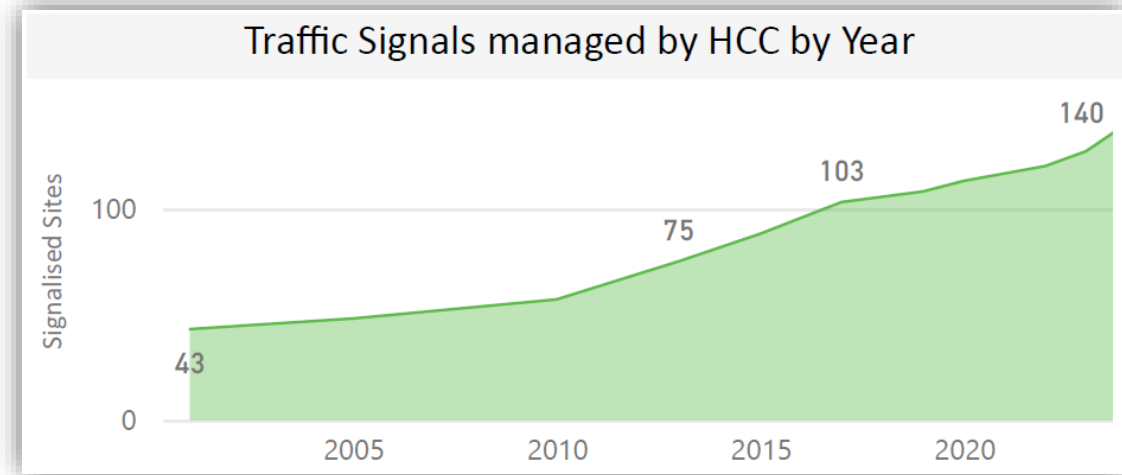
- CSL started Feb 2024
- 10 year contract

- **More crossings...**

- 10 new ped crossings this year
- New signals in Waipa District (Cambridge, Kihikihi, and Ohaupo) and Waikato District (Pokeno)

- **New Bridge and spine road**

- \$166M bridge to Peacocke subdivision (50k people)
- Priority for public transport (T2 lanes)
- New arterial road has 12 signal intersections all being built – all protected intersections



# Bridge Construction Timelapse

TIMESCAPES

HEB Construction | Waikato River Bridge | Camera 3



22nd Mar 2022



Full Project



# Testing the bridge...



# Innovations



## • Hit Sensors

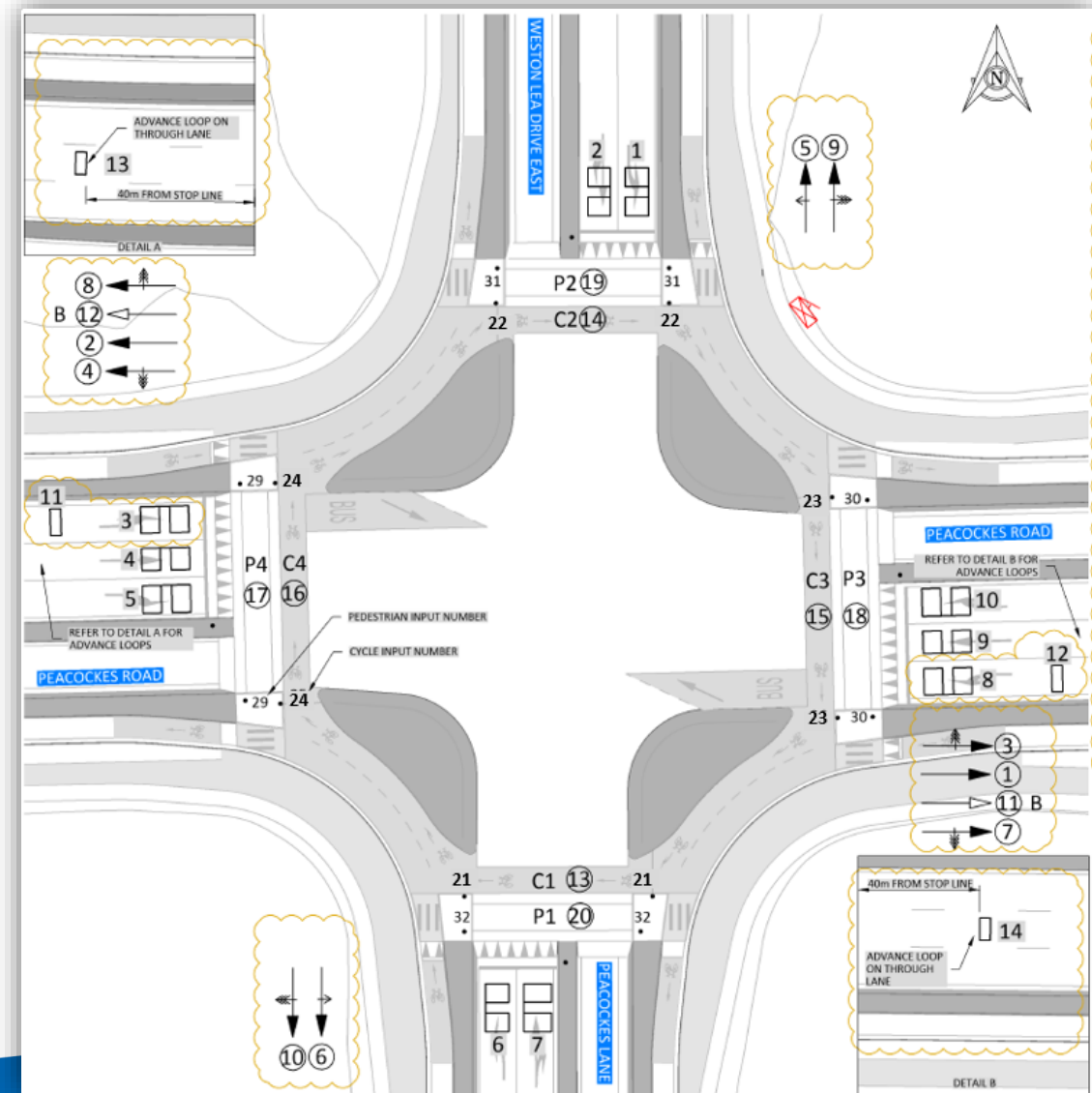
- Heading, Impact & Tilt (“HIT”)
- 25 now deployed on worst culprits (median etc)
- No hits yet.. so maybe they’re just insurance??
- Plan to put them on fold down poles so we know they’ve been folded down to check bolts...

## • Fire Truck Priority

- Working with FENZ, GPS priority planned
- Currently waiting on their new telematics

## • Protected Intersection Reintroduction

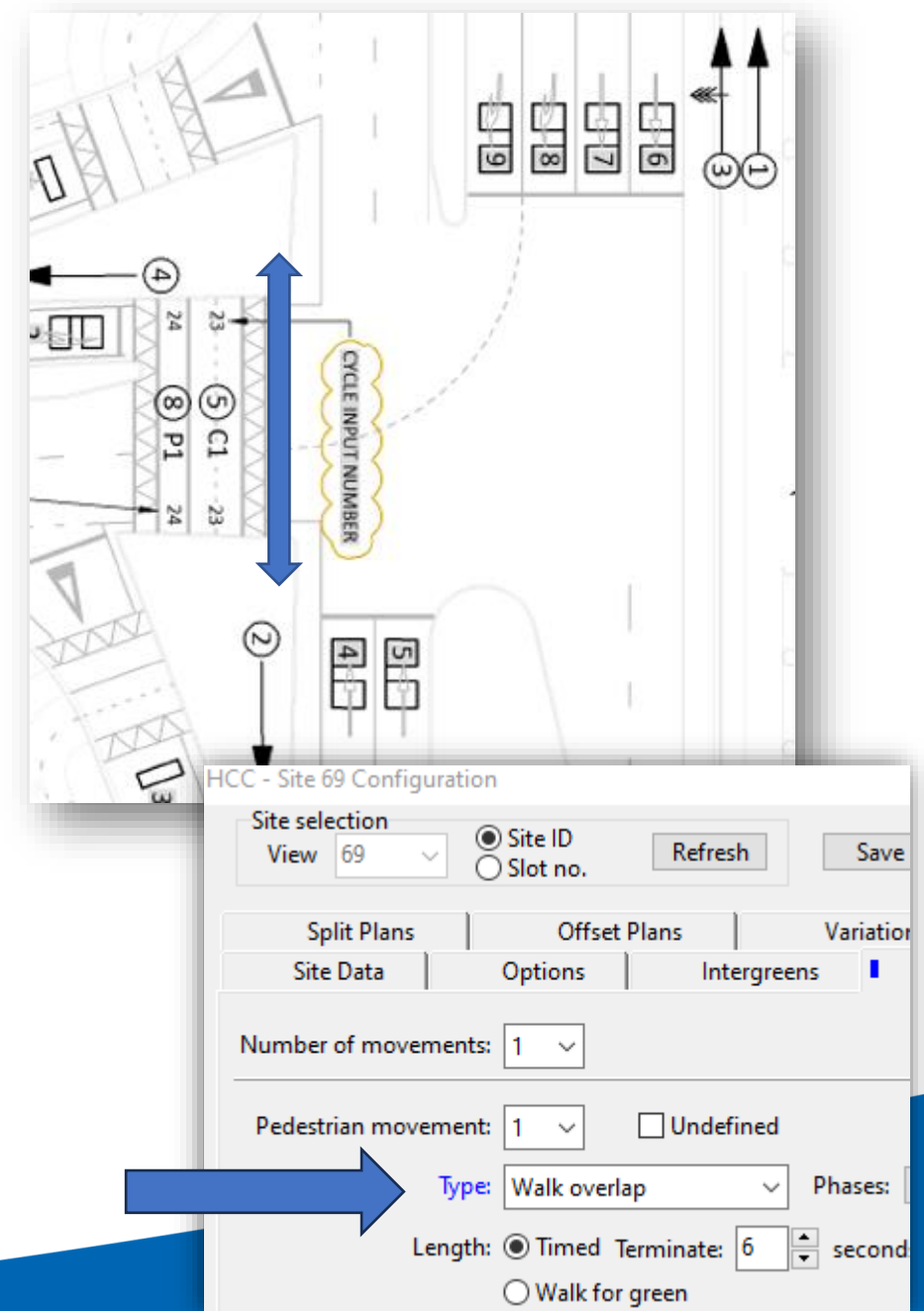
- Ped and cycle crossing reintroduction on protected xing
- Stay in A phase and terminate LT SG and reintroduce



# Follow up: Cyclist Crossings

- **Cyclist Crossing LoS - Walk For Green**

- For peds: Reintroduction is fine
- For cyclists: WFG is better as they don't have to stop AND auto-demand/introduce the crossing
- Discovered this can be done in SCATS without SFT changes (credit Tim Kirby) using Walk Overlap
- Scheduler/VR to implement only in peak times and auto-demand the crossing



# Random stuff...

- **Traffic Signal Game**

- Using the CSL training rig to test the idea of a game (using the ped buttons and a 16x3 display)
- I found personality is not conducive to gaming! (which relies on variables and math, both of which are limited)
- But it was a fun challenge



## Who needs ducting?



# Thank you

Brandon.Harley@hcc.govt.nz

John.Kinghorn@hcc.govt.nz