

SNUG 2021 – QUEENSTWOWN

- CCC - REAL TIME OPERATIONS
- CCC - Transport

- Ray Young
- Stephen Wright

CCC RTO

Hours of Operation

- Monday to Friday
- 6am to 6pm
- Excluding Public Holidays
- Working outside these hours is by appointment only. Recovery of costs will apply
- Outside of these hours WTOC chose to monitor their SH network and will support monitoring CCC if required on request

Staff

- Was Team Leader + 8 staff + 2 Contractors + 1 Ecan + 2 admin
- Now Team leader + 3 Staff + 1 ECAN + One new employee to be employed (All very efficient and working on streamline operations)

Area of operation

- Currently still Timaru to Waimakariri. Changes in progress
- Future will be focus on CCC assets and Operations but inclusive of Selwyn and Waimakariri and Waka Kotahi Traffic Signals in this region at an operational level.

Changes to RTO Room

- New Staff (some old - some new blood)
- New Computers (Bigger and faster)
- New Wall screens (slim and low power)
- New Desk Monitor / Screens (more operational realestate and easier to read)
- New Desks (Sit Stand)
- Cleaned out years of clutter
- Tidied up electrical and other issues

Software

- *SCATS*
- *FLIR – CCTV*
- *Milestone CCTV*
- *HYBRIS – CRM software*
- *RAMM – New Traffic Asset development work in UDTs and Mapping*
- *Traffic Watcher*
- *NIEMS*
- *Keypass*
- *Google maps and other*
- *GIS Maps / Council Specific*

Getting, or Got rid of ;

- Games at intersections – Causing confusion
- OLD controllers and OLD assets beyond reasonable repair
- LTE – 5G is interfering with signal
- Bluetooth – Being replaced
- CCTV Luxriot replaced with FLIR
- OLD RAMM configurations for asset management . Being totally revamped

Statistics

CCC Asset RAMM Data

- 284 Active signalised intersections, 9 in other regions
- 254 CCTV in FLIR @ 222 Sites + Waka Kotahi integrated CCTV
- 136 School Zone Signs
- 198 Ped detection Cameras @63 Sites
- 99 Routers, 52 Switches, 228 Radios and 10 LTE modems

- Operating 56 Waka Kotahi signalised intersections that run in and around CCC

Quality Control - CCC, Richard Humm to present later

- It is hugely evident that the Traffic Signals industry needs to be open to criticism and conformity with basic standards.
- There is too much hidden from public scrutiny
- This can only be achieved through independent audit and that does not mean just the casual inspection by the normal Contractors and Consultants.
- Christchurch has been working hard to resolve some very long term issues in quality and standards that have been allowed to continue. There is no point blaming contractors as this is a leadership and budget issue.

The versatility of Controller cabinets

SCATS Controller and control gear

Earth Quake Monitoring Seismic equipment

Police CCTV System

Public WIFI systems

Blue tooth

AMPR Tracking Police systems

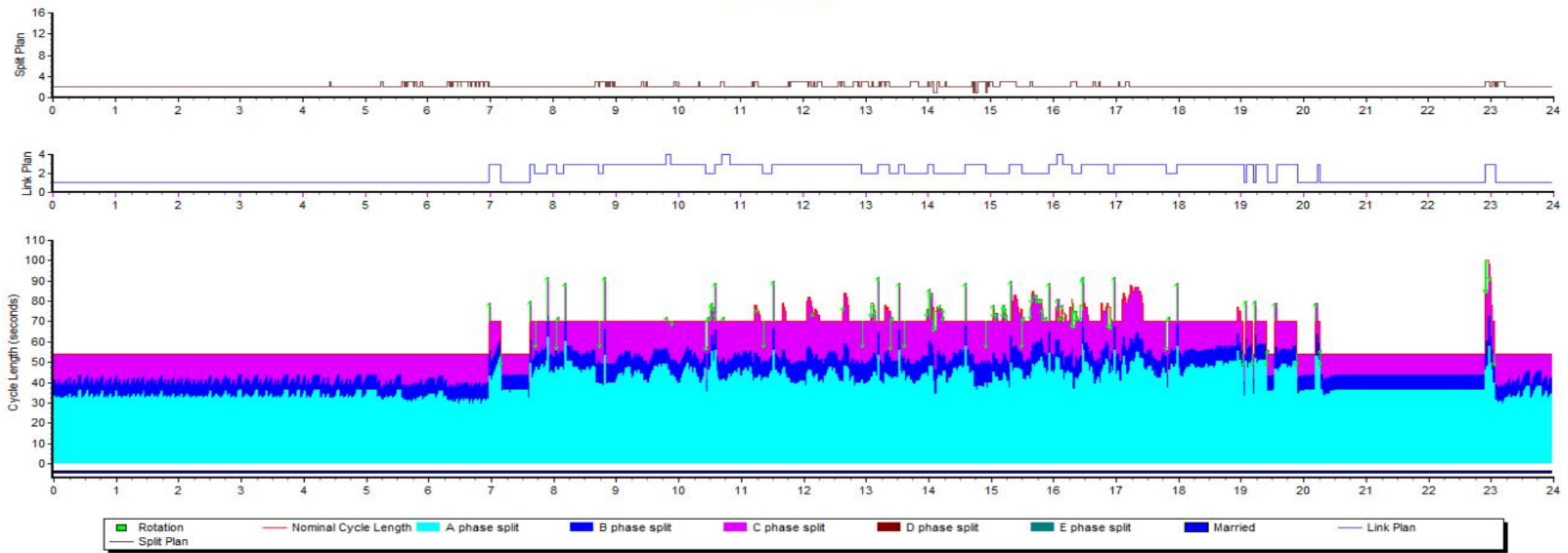
SMART Street lighting Data Entry Points

RAMM

- Redevelopment of User Defined Tables and range of data collection
- New Interface being developed for operational ability

Ashburton : Congestion trial Traffic load. Typical Day, Thursday 11th of April 2019

Subsystem 9



Ashburton Congestion; Remedy trial using Extended Green wave phase linked together . Traffic Flushing

Traffic Load - Long weekend, Thursday 18th of April 2019

Note : Congestion peaks trigger extended Green Wave phase to reduce congestion duration between peaks

