Wellington Traffic Operation Centre

Des O’Sullivan [Traffic Operation Manager]
The Wellington TOC

- The Wellington Traffic Operations Centre is situated in Johnsonville.
- The TOC covers all of the State Highway network in the Central and lower half of the North Island of New Zealand.
- Its principal aim is to provide timely and accurate traveller information using NZTA’s network of Intelligent Transport Systems [ITS] of Camera’s and Message Signs across the lower North Island.
TOC Functions

**CCTV**
There are 87 cameras on the network.

**LANE CONTROL SIGNS/ MANDATORY SPEED SIGNS**
Manages, coordinates and modifies signs to suit changing traffic demand,

**TUNNEL MANAGEMENT SYSTEMS**
Operates and monitors incident detection, fire and ventilation systems in the Terrace and Mt Victoria Tunnels

**TRAFFIC SIGNAL CAMERAS**
Monitors cameras situated on 15 sets of Traffic Signals throughout the network.
VARIABLE MESSAGE SIGNS
Set and monitor 44 Variable Message Signs [VMS]
from Taupo to Wellington.

NZ POLICE
Is the focal point for receiving priority Incident calls
from the NZ Police for the bottom half of the
North Island in the Police Central Comms area.

Event information is entered into the Traffic Road
Event Incident System [TREIS] and contractors
mobilised. Official information entered on TREIS is
posted on the NZTA website for public consumption.
**TOC Functions**

**ROADWORKS**
Coordinates and monitors roading contractors working on the State Highway network.

**INCIDENT COORDINATION**
Acts as the regional hub for information recording in relation to unplanned events on the State Highway network.

**WEATHER CONDITIONS**
Monitors weather conditions using Met Service data and if necessary set appropriate advisory messages on available VMS.
TOC Functions

REGIONAL TRAVELLER INFORMATION
Is the primary provider of real-time regional travel information for transmission to the media in the Wellington Region.

PLANNED EVENT MANAGEMENT
Receives information on planned events, roadwork’s and special events ensures Traffic Management plans are developed and implemented to manage the traffic impact of these events.
Traffic and incidents on the State Highways are managed through proactive surveillance, and driver information, using message signs, cameras and signals, and coordination of the deployment of incident management resources.

The Centre is currently operated during the hours of 06.00am to 22.00pm each and every day and night of the year. Outside of these times, NZTA’s Traffic Operation centre in Auckland controls the Wellington systems and monitors traffic conditions.

The TOC staffing consists of a Traffic Operations Manager, a Control Room Supervisor and five Operators.

The TOC is equipped with Civil Defence Emergency Management radios and CDEM capabilities.
What coverage have we got?
Traveller Information

Regional VMS:
Dynac is the main operating system.
A typical day at the TOC?

- Monitoring traffic conditions in real-time:
A typical day at the TOC?

- **Providing timely traffic information:**
A typical day at the TOC?

Advising diversions
A typical day at the TOC?

• **Identifying dangerous or non-compliant activity:**
A typical day at the TMC?

Crashes:
A typical day at the TMC?

More Crashes:
A typical day at the TMC?

Planned Events

EVENTS IN WGTN
SATURDAY 21 FEB
EXPECT DELAYS
A typical day at the TOC?

Damage to highway infrastructure:
A ‘not so’ typical day at the TOC?

Fire:
A ‘not so’ typical day at the TOC?

Snow:
What does all this give us?

- Better information and intelligence about what is happening on our network
- Improved information to the public and media
- More timely and reliable communications
- Improved efficiency by allowing service providers to focus on their tasks
THANKS FOR LISTENING