



Smart Traffic Management

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Beca

Los Angeles Times

50¢ DESIGNATED AREA HIGHWAY © 2008 82 PAGES

latimes.com

Los Angeles braces for weekend of "Carmageddon"

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By Jason Kandel
LOS ANGELES | Thu Jul 14, 2011 9:59am EDT

(Reuters) - A city renowned for its traffic is about to face a jam of biblical proportions.

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The Basics - Stakeholder Drivers



Assurance of network integrity

Management of risk

Best methodology that increases time efficiencies and minimises disruption

The well being of the road user

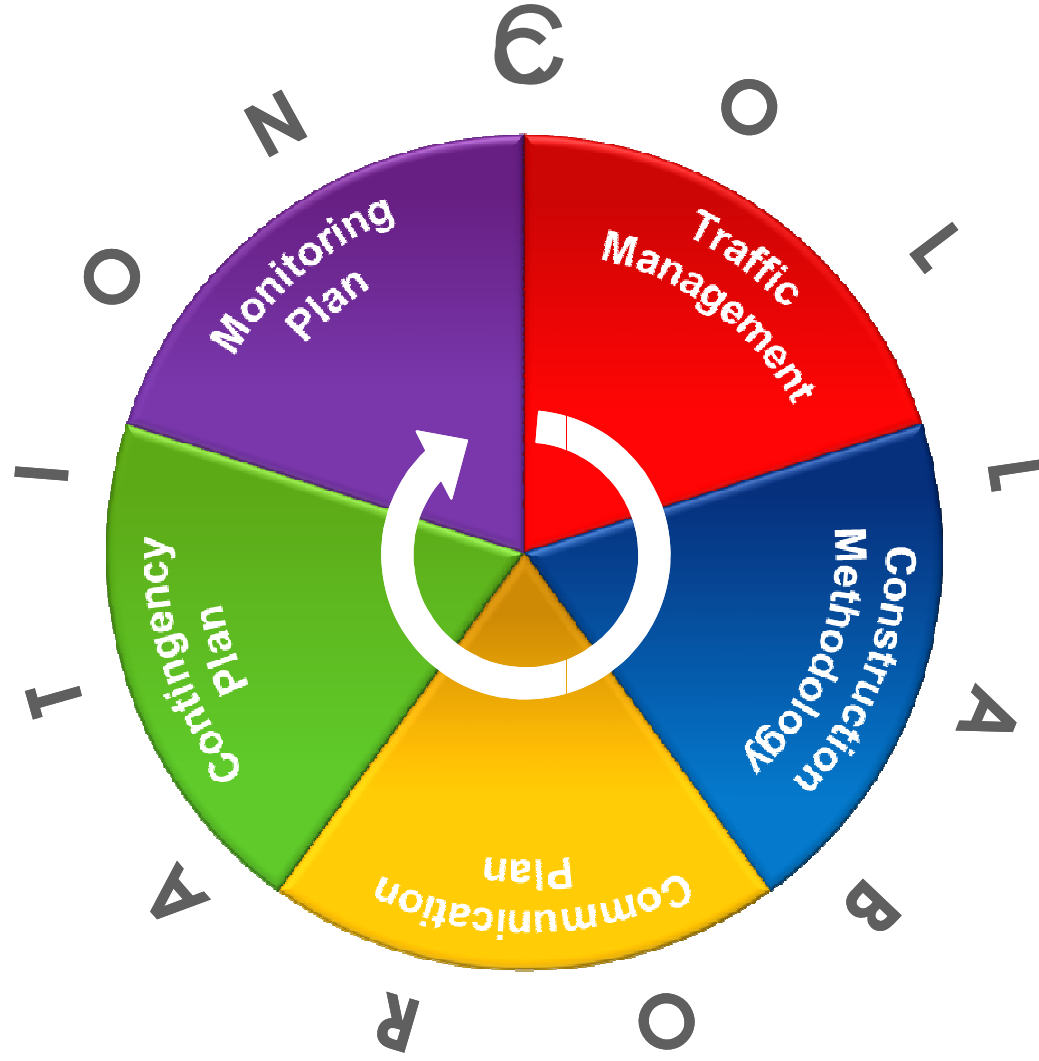


- Be informed about journey experience
- Be thought of and considered

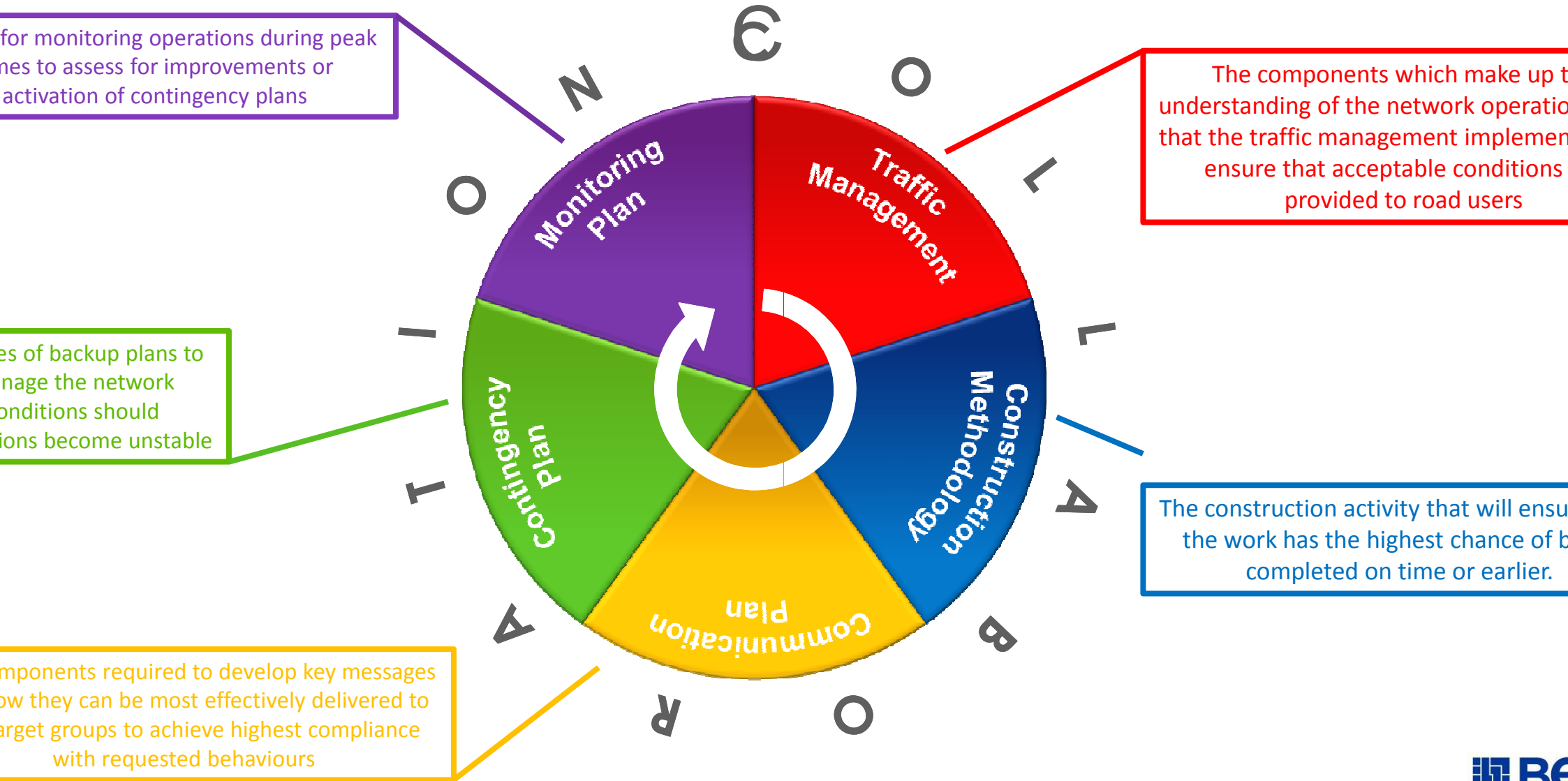


- Health and safety of work
- Get work done with least fuss
- Fastest time and least cost

Five Golden Keys



Five Golden Keys – The process explained

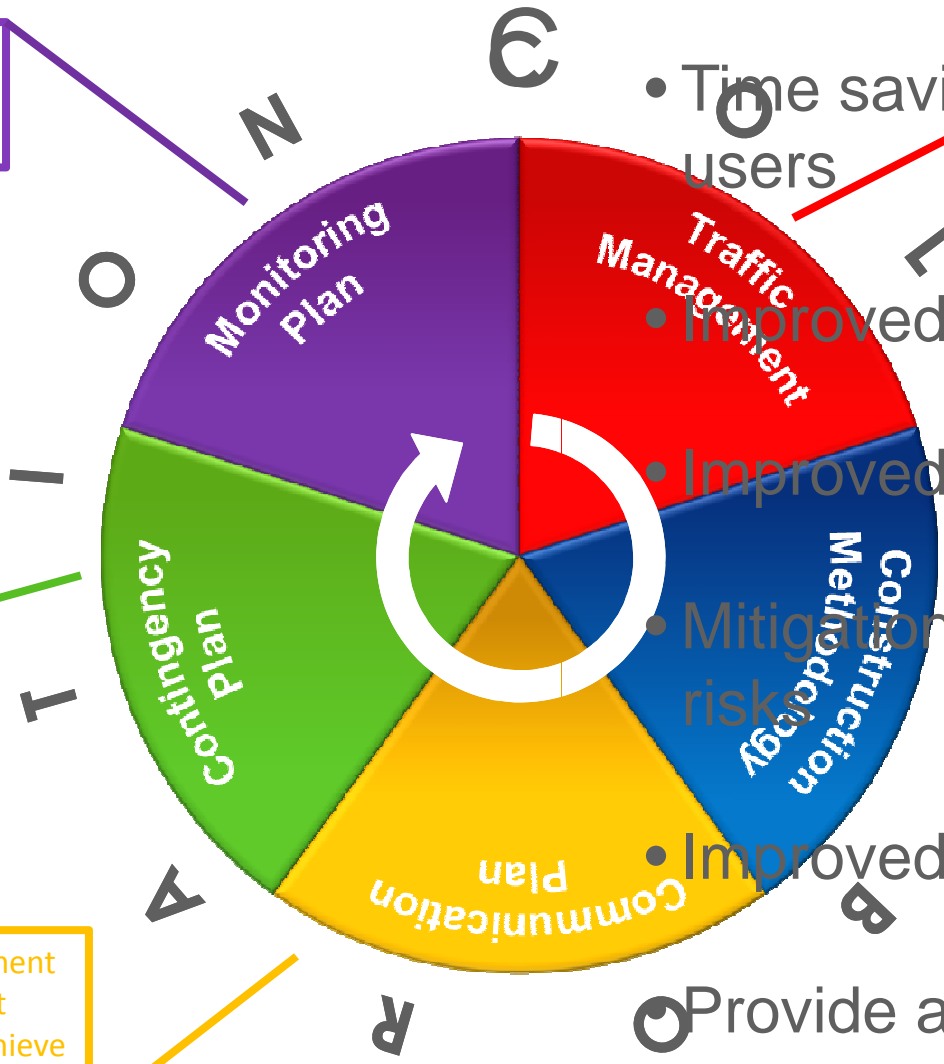


Five Golden Keys – Benefits of the process

for monitoring operations during peak times to assess for improvements or activation of contingencies

es of backup plans to manage the network conditions should conditions become unstable

components which make up the development key messages and how they can be most effectively delivered to the target groups to achieve highest compliance with behaviour requests



• Time savings for contractor and road users
 • Improved public satisfaction

The components which make up the understanding of the network operation that the traffic management implement ensure that acceptable conditions provided to road users

• Improved construction methodology
 • Mitigation of Client's / Stakeholders risk

The components which make up the construction activity for the definitive frame that will be allowed to ensure the work has the highest chance of being completed on time or earlier.

• Improved safety
 • Provide added value to the contract

The Basics - Traffic Analysis Components

TIA



TM Strategy

A technical assessment of the likely impacts by the proposed network disruptions

The deliverable. It is formulated out of the Five Golden Key Principles process and may comprise the following:

- TMPs
- Construction Methodology
 - Communications Plan
 - Contingency Plan
 - Monitoring Plan
- Summary TM Strategy Report

Case Study #1 – North Auckland and Northland Power Grid Upgrade (Transpower)

Project Brief: Installation of upgraded power grid cable on Fanshawe Street Auckland, removing one of two general traffic lanes for over one month. This impacted commuter peaks on the busiest connecting arterial route into the CBD from the North Shore.

Traffic Management Plan

Construction Methodology

Communication Plan

Contingency Plan

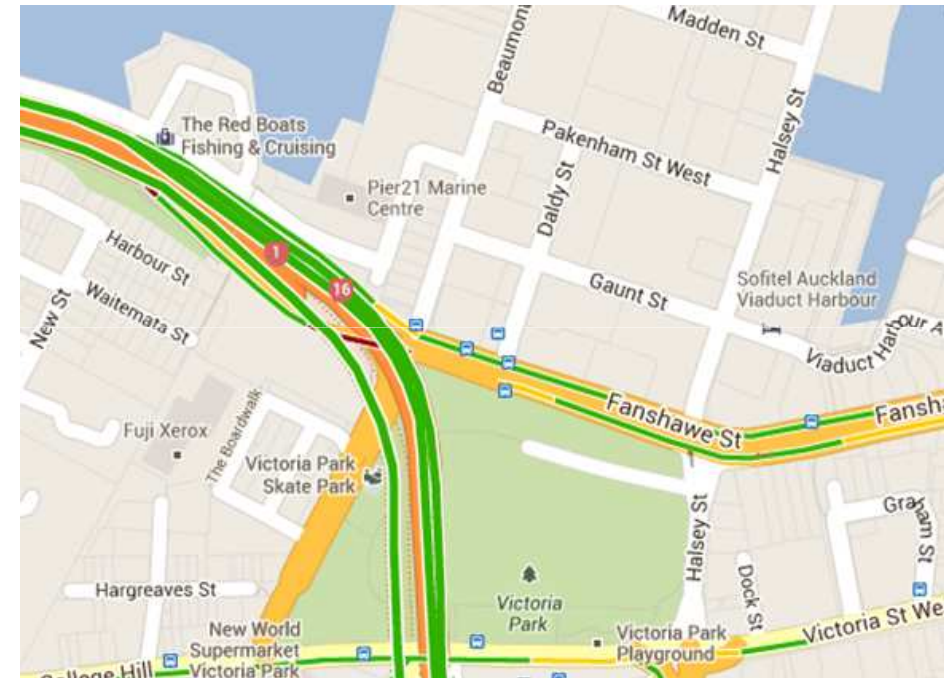
Monitoring Plan

Successful Outcomes:

Unsolicted positive feedback from AT Public Transport Team on the process and achievement of minimal delays to bus services;

Zero complaints

Early finish and uplift of work areas



Case Study #2 – Neilson Street On Ramp Closure (Transfield)

Project Brief: Closure of Neilson Street On Ramp for critical gas main work. Three to four 24 hour working days were required with the ramp serving a heavy industrial area and is a key route to the airport.

Traffic Management Plan

Construction Methodology

Communication Plan

Contingency Plan

Monitoring Plan

Successful Outcomes:

TMP and construction activities occurred without any events;

Zero complaints

Earlier finish and stakeholders were happy that non of the risk occurred



Summary

