Virtual Temporary Traffic Management – a world without cones

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Principles of Traffic Management

- Safety
- Cost
- Time
Safety
Time
How can we provide better value for money without compromising safety?
Control and simplified layouts used during on-road trial

UK example
TRL
FINAL PROJECT REPORT RPN 1813

Datum
200m
400m
600m
800m
1600m

Current Chapter 8 Relaxation layout

Layout 1A

Layout 1B
Level 3 – Right Lane Closure
Intelligent Transport Systems
How to make this work?

- Advance warning
- Speed reduction
- Lane management
- Enforcement – point to point for long-term TTM
Advanced Warning
Advanced Warning

SH1 LANE 3 CLOSED OVERNIGHT 7 JULY
Advanced Warning

SH1 LANE 3 CLOSED AHEAD
Speed reduction
Advanced Warning
Lane Management
Lane Management
Lane Management
During the Works
Setting the Traffic Management
Setting the Traffic Management

- The necessary information to alter interventions on the network
- Live traffic counts
- Sequencing
- Communications between the STMS or site supervisor and the TOC
- Local traffic management
- Full closures
Advantages of this Approach

- Distance of warning
- Visibility of message
- Timescales
- Safety
- Standard plans
- Incident management
- Control room network management
Issues / Risks

- Human behaviour
- Infrastructure
- ITS can still support TTM
Summary

- Save costs
- Responsiveness
- Greater working time availability
- SAFETY
Principles of Traffic Management

Safety

COST

TIME

Beca