



**Roads Conference
Galway
October 2013**

Paul Mitchell

Head of Health & Safety Highways Agency

What is Aiming for Zero?

... is the Agency's strategy for improving health and safety performance, guided by the core vision:

*'Our aim is that as an employer, designer and a leading client, **nobody comes to harm** as a result of their work for us'*

The AfZ Programme consists of four Workstreams:

- Road Workers;**
- Construction & Maintenance Workers;**
- Traffic Officers and Control Room Staff; and**
- Office and RCC-Based Staff**

Why are we doing this?

In the period 2007-2012...

9 Fatal Injuries

(5 Road Worker, 4 Construction Worker)

137 Major Injuries

(25 Road Worker, 112 Construction Worker)

Relative risk levels

Category of person	Number of workers	Average fatalities per year	Calculated fatality rate
Road worker	2,000	2	1 in 1,000
Road construction worker	15,000	1	1 in 15,000

Road users travelling on	Network traffic (vehicle miles in 2010)	Fatalities (2010)	Estimated road user fatality rate
Major roads, GB (31,233 network miles)	1,980 x 10 ⁸	1,168	1 in 11,000
Major roads, HA (4,436 network miles)	839 x 10 ⁸	249	1 in 158,000

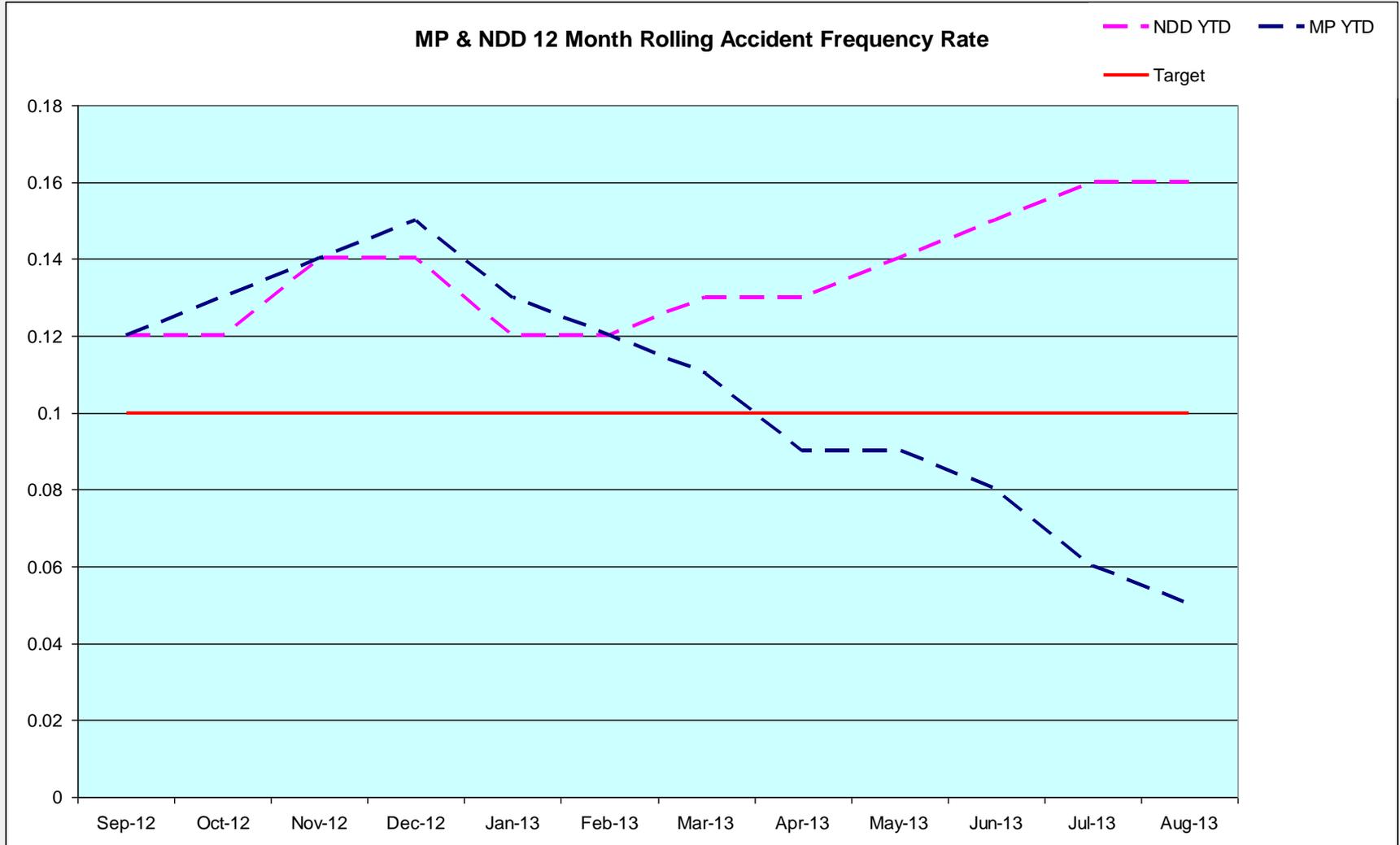


• **Traffic Officer Fatality 25/9/12**
 (First since service launched 8 years ago – 1 in 10,000 rate)

• **Road Worker Fatality 2/10/12**

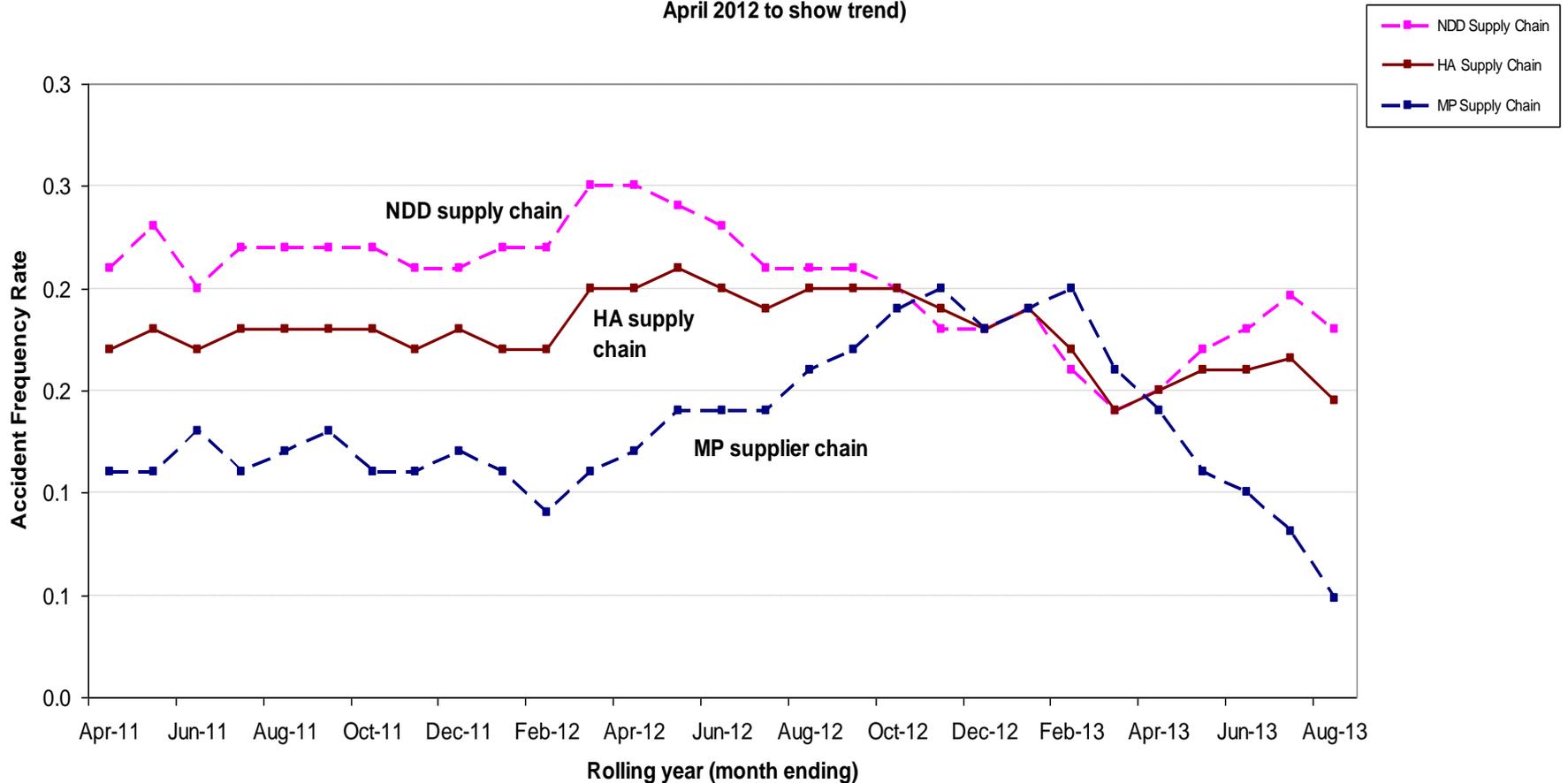


Accident Frequency Rate – 7 day RIDDOR



Accident Frequency Rate – 3 day RIDDOR

Accident frequency rate of HA supply chain split by MP and NDD works (based on 3 day RIDDOR requirements used prior to April 2012 to show trend)



Aiming for Zero

Road Worker Safety Programme





Imagine doing your job here

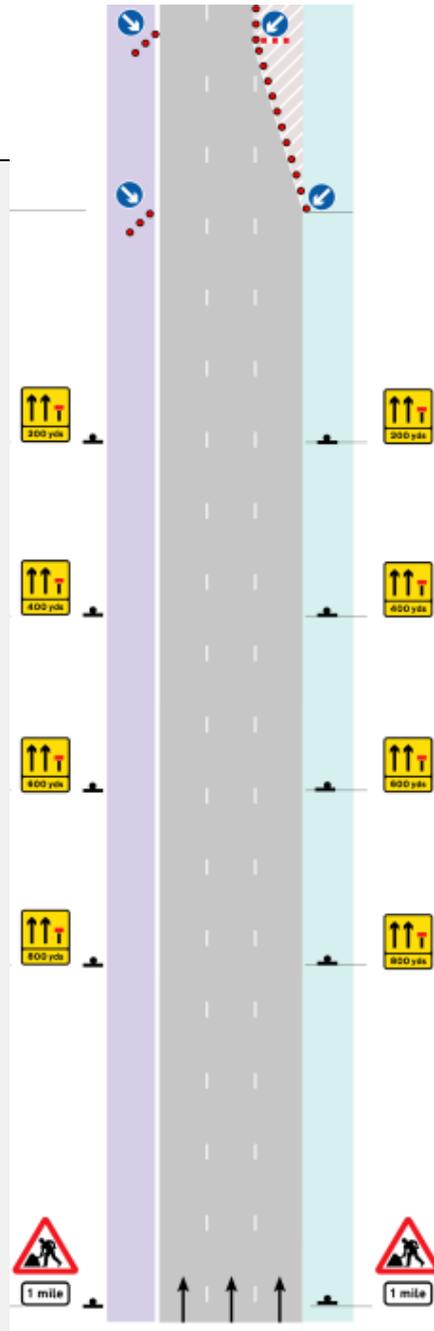
**RESPECT OUR
ROAD WORKERS**

THINK

RWS Project 1A - Omission of 200 & 600 yd “Wicket Signs”



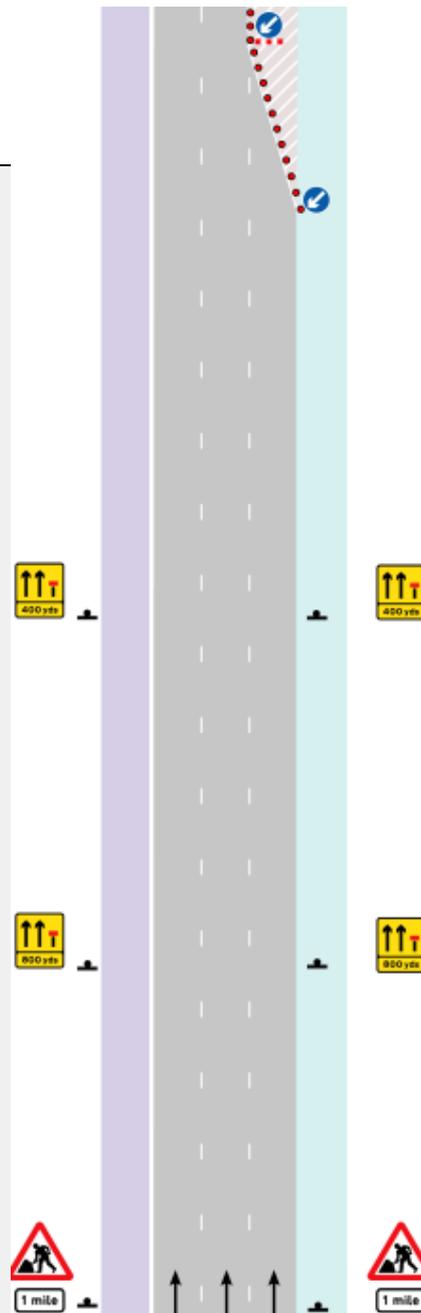
Standard Chapter 8 Temporary Traffic Management Layout



Simulation and network trials completed

Revised layout allowed by IAN 150/11

Published Dec. 2011



**Reduction
in
carriageway
crossings**

= 40%

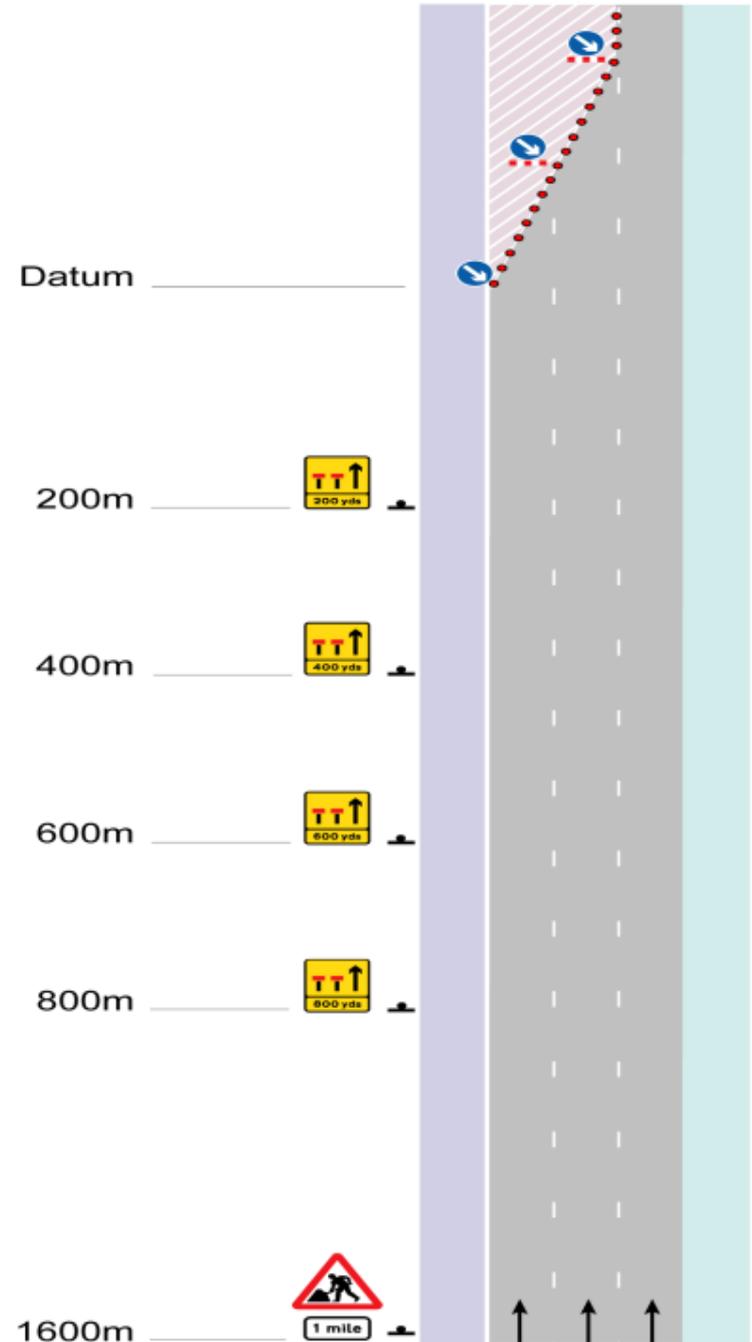
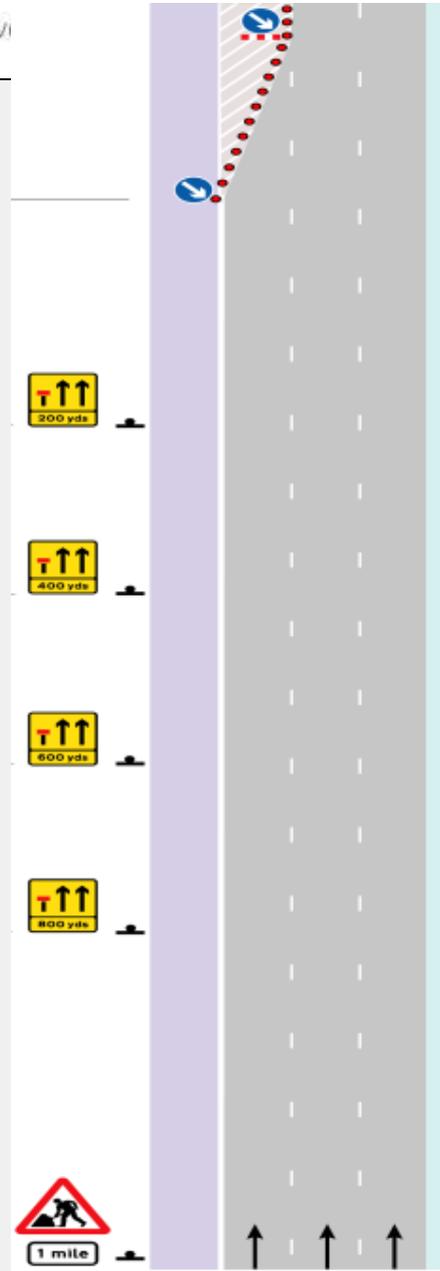
Offside Signs Relaxation Project 1S

Trials successful

**IAN 150/12
Published Nov
2012**

**10% Reduction
Carr. Crossings**

**Further trials
£1.5m+ saving
(M25 scheme)**



IAN 163/12

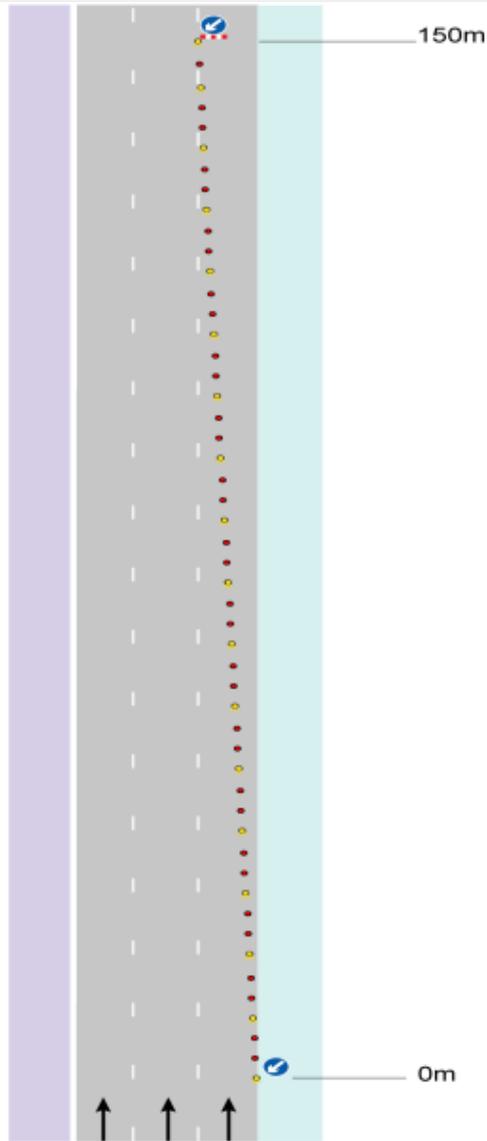
Published May
2012

Alternative
Entry Taper
(9m spacing)



Std.
Chapter
8
Entry
Taper

51
cones



Chapter 8 (Relaxation)

Alternative Entry Taper

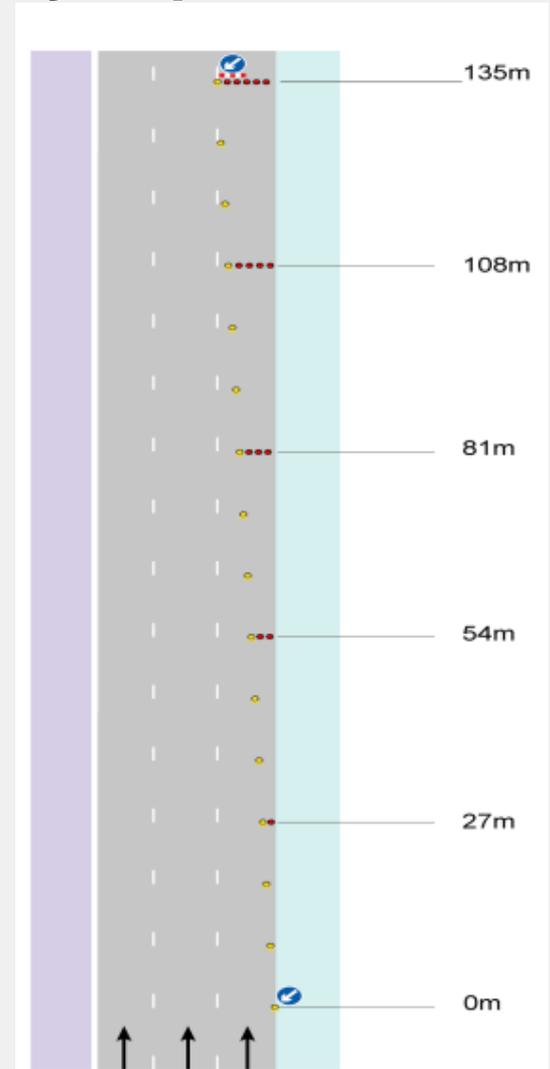
Alternative Taper
allowed by IAN
163/12

31 cones

33% time saving

c.5 min saving

Reduced Risk
Exposure



135m taper (alternative)

High Level Signs – Stage 1 Trials Area 12



Trials

- Stage 1 complete
- Stage 3 a&b complete

Both successful

Draft IAN 179/13 in consultation

Planned

- Stage 2 trials (new 4-lane panels)

RWS Project 1 X – IPV Strikes



Completed:

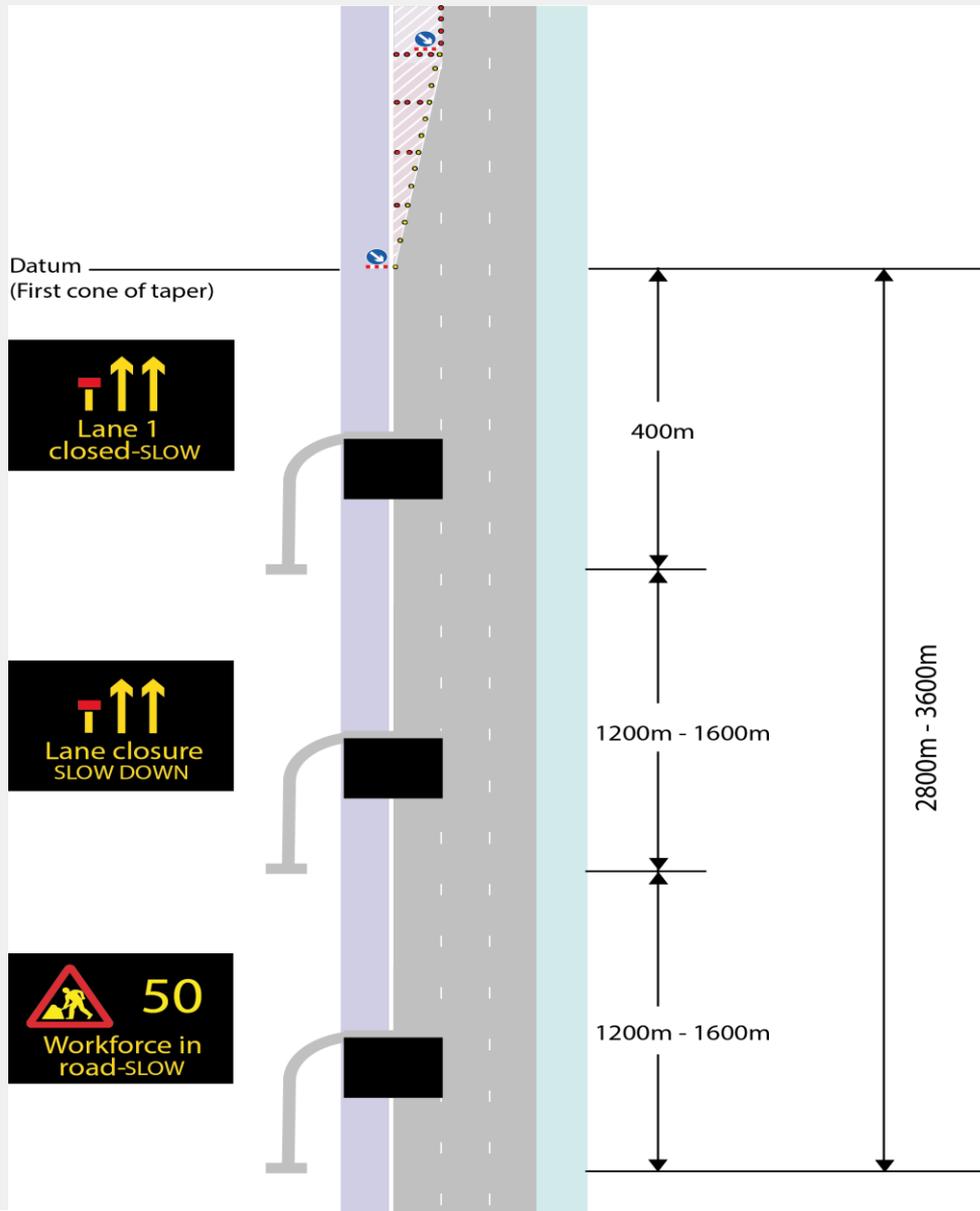
- Causational study complete
- Inconclusive result

In Progress:

- Research project commissioned
- Awarded Oct 2012
- Will review design
- RWS/AWV Joint topic

Project 1C2: Extend use of **Variable Signs & Signals** to warn of Road Works on **Managed Motorways** /1





Project 1C3

Use of **Variable Signs & Signals**

Advance warning of **Road Works on Managed Motorways /2**

Omitting Road Danger Lamps: Project 1J



- **First Trial complete**
- **Analysis of data**
- **Inconclusive safety evidence.**
- **Further trials in 2013 to test the “half metre rule”**

Central Reserve signs to replace “Wicket” signs: Project 1U



Analysis of types of post mounted Central Reserve Signs.

(Reliability, effectiveness and application)

Potential to replace all plate Temporary Traffic Management Signs

Draft Guidance
in Consultation July 2013

Road Worker Safety Forum

//RoWSaFnews

Making roads safer for road workers
rowsaf.org.uk

Issue 7 - October 2013



**Highways
Agency
Safety Week**

STOP AND THINK!

Coinciding with the European Week for Safety and Health at Work, from 21-27 October 2013, the Highways Agency will be focusing on what it's doing to improve health, safety and wellbeing for staff, road workers and road users.

During 'Safety Week' we will focus on our aiming for zero health and safety strategy, and also promote a 'stop and think' internal safety message, which encourages staff to pause and routinely consider and identify the health and safety impacts of their work.

The health, safety and wellbeing of our road workers is one of a number of important themes during Safety Week.

Changing behaviour – what does it take?

Amey shows commitment to health and safety with launch of hard-hitting DVD.

Amey in the West Midlands has recently demonstrated its commitment to changing the behaviour of its staff by commissioning and releasing a new DVD, entitled 'Changing Behaviour – What Does it Take?' The hard-hitting DVD, which features scenes of near misses and accidents on the road network, is designed to make employees think about their personal behaviour and that of their colleagues, and to amend their working practices accordingly.

Since 2009 Amey has undertaken a campaign to 'Target Zero Every Day' which aims for zero harm to its employees and the general public in the course of its operations. This has been coordinated with a significant effort to introduce a cultural change across all its contracts and encourage employees to take responsibility for their safety, moving away from a 'top-down' model.

The DVD forms part of this strategy. Its release complements the Highways Agency's 'aiming for zero' initiative. It aims – through a combination



damage or injury. We have an excellent safety record at Amey, but we're not complacent and we're always looking for ways to reinforce messages on health and safety - that we all need to work together on terms of the road.

Steering Group

Working Group

Trials Team

(virtual Technical Project Board)

- 6 RoWSaF Newsletters published
- Web domain implemented: - <http://www.rowsaf.org.uk/>
- Facebook page launched...

Any Questions?



Paul Mitchell

paul.mitchell@highways.gsi.gov.uk