



Safety at Street Works and Road Works

A Code of Practice



The Red App

A user-friendly app to assist in setting up or checking the compliance of minor works sites

Introduction

P J Keary provides a range of street works inspection and survey services to Utilities including Thames Water, Southern Water, Affinity Water and BT Openreach.

To assist our inspectors when auditing street works sites for compliance with the Safety CoP, we developed a 'web app' which enables them to quickly establish the appropriate method of traffic control and SLG requirements.

The app' is also proving to be useful for our clients' repair teams when undertaking streetworks.....



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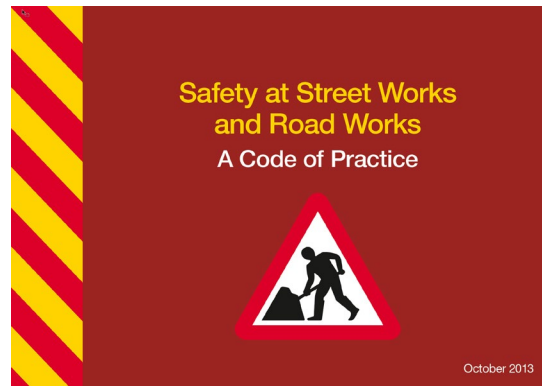


Signing, lighting and guarding



The familiar “Red Book”

Requirement to repetitively flick between pages while referring to tables on the inside back cover



Setting out site
(Distances in metres unless stated otherwise, numbers are minimum numbers)

Type of road	Minimum visibility distance to first sign	D Distance from first sign to start of lead-in taper	Lead-in taper									S Minimum width of sideways safety zone	E Distance from last work-sign	Minimum size of sign (mm)
			Width of works including sideways safety zone											
			1m	2m	3m	4m	5m	6m	7m					
Single carriageway – speed limit 30 mph or less	60	20 to 45	T Taper length No of cones No of lights	13 4 –	26 6 –	38 7 –	52 9 –	65 10 –	78 12 –	0.5	10 to 30	600		
Single carriageway – speed limit 40 mph	60	45 to 110	T Taper length No of cones No of lights	20 4 –	40 8 –	60 10 –	80 12 –	100 15 –	140 17 –	0.5	30 to 45	750		
Single carriageway – speed limit 50 mph or more	75	275 to 450	T Taper length No of cones No of lights	25 4 –	50 7 –	75 10 –	100 12 –	125 15 –	175 17 –	1.2	30 to 45	750		
All-purpose dual carriageway – speed limit 40 mph or less	60	110 to 275	T Taper length No of cones No of lights	25 4 –	50 7 –	75 10 –	100 12 –	125 15 –	175 17 –	0.5	30 to 45	750		

Speed limit mph	20	30	40	50	60	Speed limit mph	30 or less	40 or more
L Longways clearance	0.5	0.5	15	30	60	C Clearance to works vehicle	2	5

Notes
1 For roads covered by this Code, the minimum height of cones is 450 mm where the speed limit is 40 mph or less, and 750 mm where the speed limit is 50 mph or more.
2 The maximum spacing between cones in longitudinal lengths shall be 9 metres, but no fewer than two cones shall be used in any length between tapers.
3 Lead-in tapers where two-way traffic control is used, and all end tapers shall be at about 45° to the kerb line with cones spaced 1.2 metres apart maximum.
4 In certain circumstances on congested roads with speed limits of 30 mph or less, the lead-in taper may be reduced to 45° (see page 18).
5 The longways clearance (L) is the distance between the end of the lead-in taper and the first traffic barrier placed across the lane.

Factors to consider when flicking between pages

- Speed limit?
- Bus / HGV Route?
- Width of carriageway?
- Width of footway & provision for pedestrians?
- Length & Width of site?
- Nr of vehicles passing in 3 minutes?
- Length of visibility past site
- Locality etc

The new “Red App”

Takes the user step-by-step through the process of selecting the appropriate method of traffic control and SLG



Yes
No

What is the speed limit?

30mph or less
40mph or less
50mph or less
60mph or less
Above 60mph

Can the works and safety zone be contained entirely within the line of parked cars or parking bays?

Yes
No

Is it a bus or HGV route?

Yes
No

Relevant extracts from “The Red Book”, are presented in a logical, easy to use format

Available at:

<https://slg.pjkeary.net>

Available in English, Polish and Romanian



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Considerate Contractor Streetworks Scheme

INNOVATION Award Winner 2021/22





P J Keary Ltd was proud to receive the City of London CCSS Innovation Award at the Guildhall on 7th September, with our Red App being awarded 1st place by the panel of experts.

The Red App is receiving industry recognition for helping to improve the safety of streetworks in London (and across the UK), and was nominated for the award by Thames Water who supported a joint-entry having utilised the app' for over 12 months.

In order to ensure the safety of pedestrians, road users and the workers themselves, all street works activity must be undertaken in compliance with a Code of Practice "Safety at Streetworks and Road Works" - a 105 page document commonly known as "The Red Book".

Used on a mobile device, The Red App presents a sequence of simple questions and multiple choice answers, taking the user step-by-step through a process to establish the appropriate method of traffic control and signing, lighting & guarding as set out in the Red Book. This simplifies the process for the workers on site and provides confidence that the appropriate options are chosen.

In addition to English, The Red App is now being made available in Romanian  and Polish 



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The Red App



by P J KEARY

English Edition

May 2020

The Red App



Instructions for use

1. On your phone, tap this link: <https://slg.pjkeary.net>
2. Click “Agree” to accept the test agreement
3. Tap the ‘buttons’ to run through the various scenarios – each will end with a diagram and/or explanatory text (as extracted from the Red Book).
4. To view the diagram, rotate your phone to landscape and pinch to zoom as required
5. Familiarise yourself with the app by going through a number of different scenarios (nothing is saved and you can’t ‘break’ anything)

To create a shortcut to the app


To create a shortcut to the app on your phone home screen:

1. Open your web-browser and go to: <https://slg.pjkeary.net> and:

Android:

2. Tap the menu icon at the top right of screen ⋮
3. Tap “Add to home screen”
4. Tap “Add”

or Iphone

2. Tap the screen to bring up menu icons at the bottom
3. Tap the “action (share)” icon 
4. Tap “Add to home screen”
5. Tap “Add” at the top right of screen

After following these steps, there should be an icon with the PJK logo on screen that can be used to access the app without having to click the link or enter the URL.

Note: The app is not intended to cover all conceivable scenarios such as complex traffic management situations which require specialist survey (as in the Red Book, the user is asked to “Consult your supervisor, manager or competent person”) but should cover the majority of minor works sites.

Further development may be undertaken to broaden the scope and adapt to user feedback. Please send any feedback to patrick@pjkeary.co.uk



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Helping to improve the safety and compliance of UK Street Works



The app is available for use free-of-charge to our current clients.

Trial our services....

P J Keary offers a comprehensive performance improvement service in relation to street works in-progress. This includes auditing NRSWA compliance, safety and public-image while providing advice and guidance to teams with alerts and proven reporting tools that enable managers to deliver continuous improvement.

If this service is of interest, please contact Patrick Keary on 07802 321544 or patrick@pjkeary.co.uk