

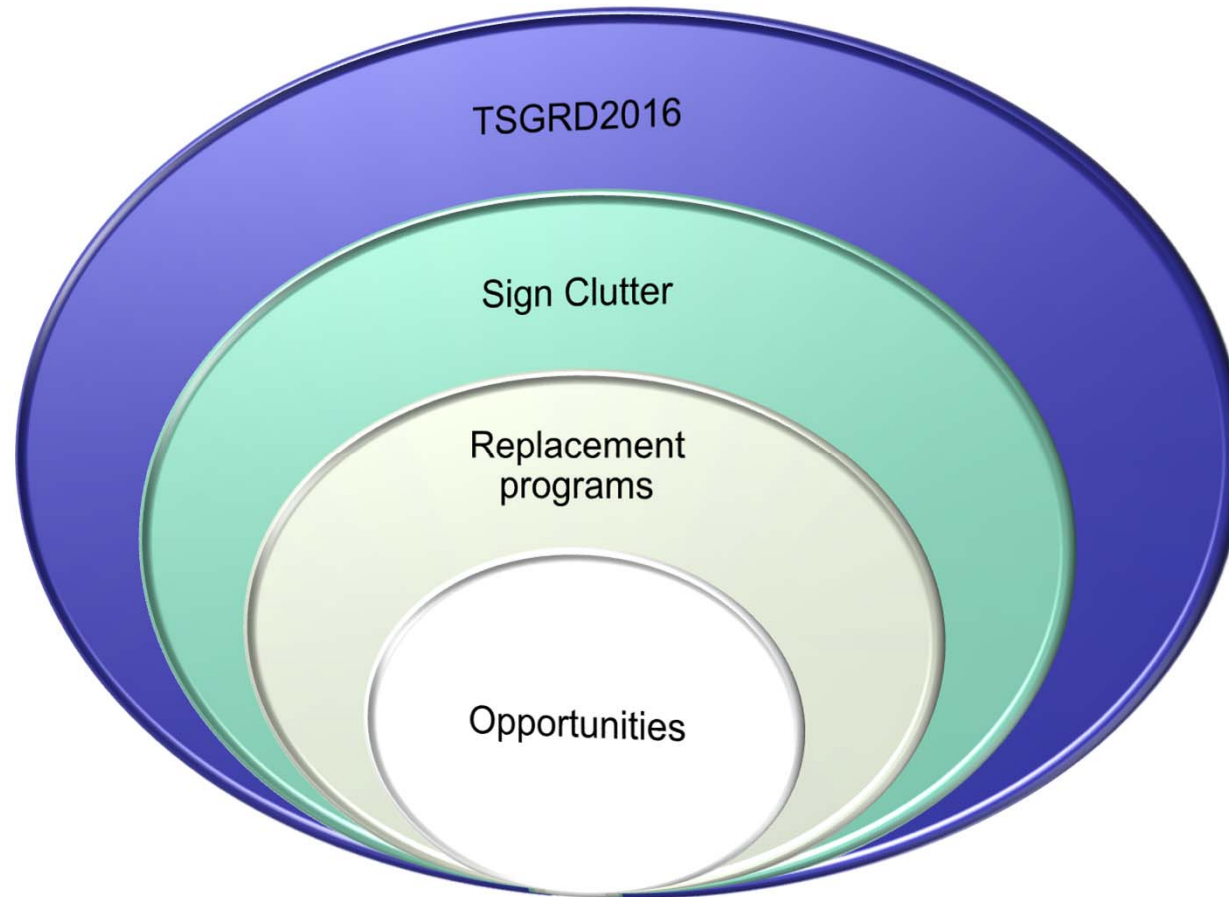
# Traffic Signs Regulations and General Directions (TSRGD) 2016.

**Peter Bell**  
**Regulation and Enforcement Manager**

# The Plan

- Reducing Sign Clutter
  - Practical guidance for implementation and reducing sign clutter
- Replacement programs
  - Large scale replacement programmes – issues and priorities
- Opportunities
  - Pragmatic opportunities to benefit the local authority
- TSRGD overview

# The Plan

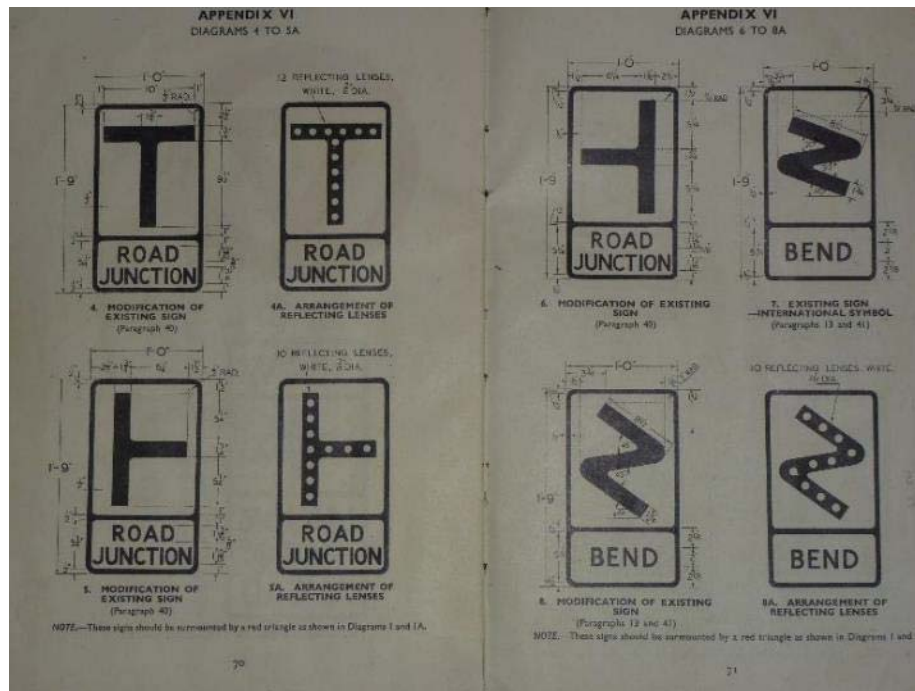


# Traffic Signs Regulations and General Directions

- History
- What's changed
- What's not changed
- Other stuff!

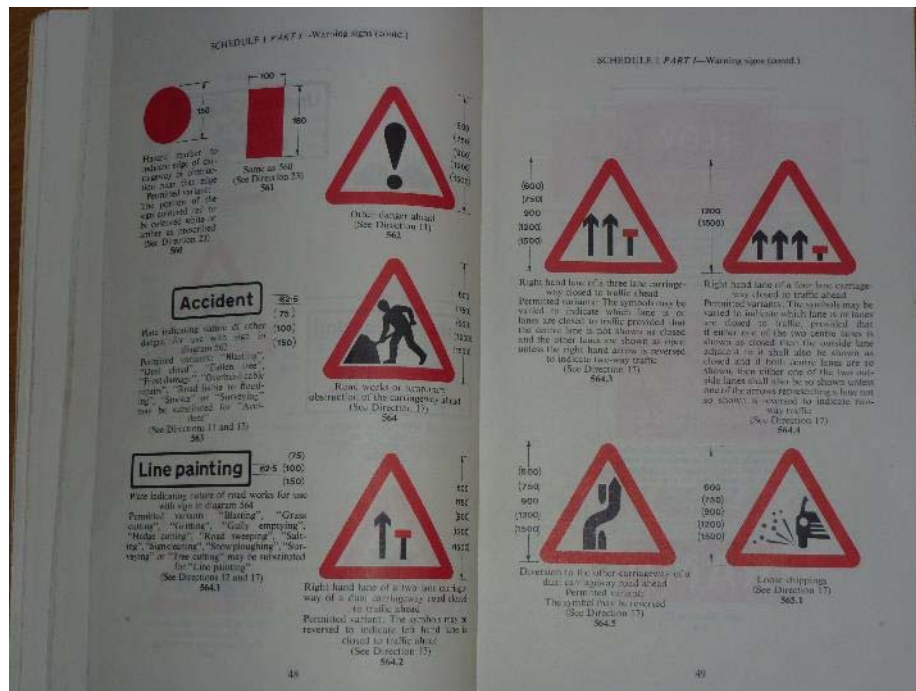
# TSRGD - History

- 1944 – Report of the Departmental Committee on Traffic Signs (114 pages)
- 1964 – All new traffic signs resulting from the Warboys Committee
- Updated in - 1975, 1981, 1994, 2002, 2016

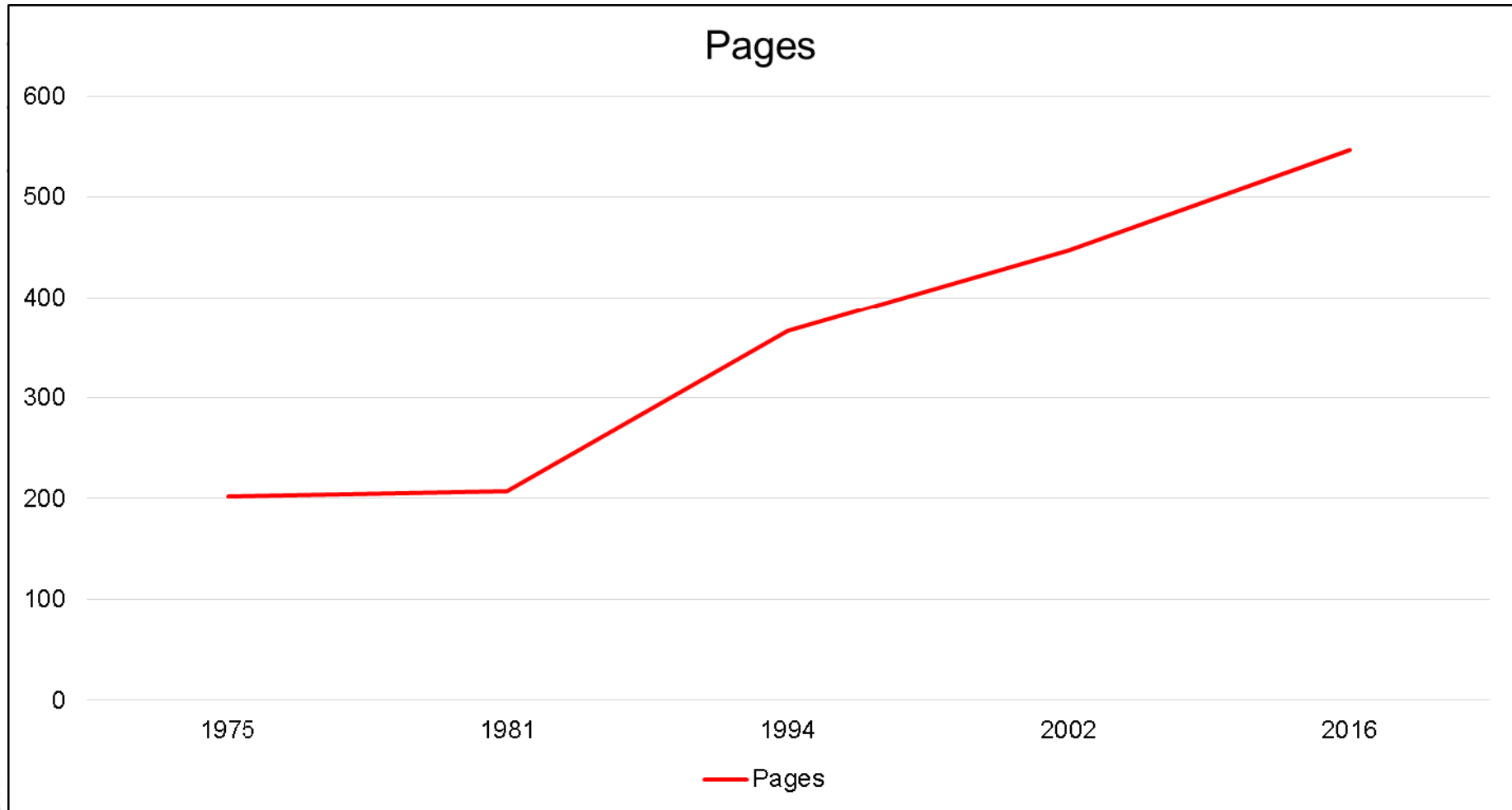


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# TSRGD - History



# TSRGD 2016 – what changed

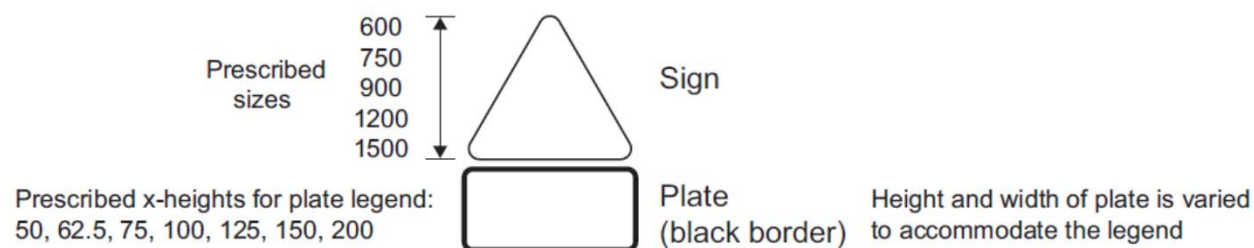
- Radical new structure
- Fewer complete signs shown
- Pick and mix symbols and text
- Fewer specific Regulations and Directions, but those still applying are in tables close by.
- Incorporates Pedestrian Crossings Regulations, area-wide authorisations (currently only for England) and other frequently authorised signs.
- A split between signs and lines



# Warning Signs

## PART 2

Warning signs and associated plates



Sign table — Schedule 2, Part 2

(1) Item	(2) Description	(3) Diagram	(4) First associated plate legend	(5) Supplementary associated plate (by reference to Part 3 sign table item number)	(6) Applicable provisions in Part 7	(7) Schedule 2 General Directions
1	Diagram 504.1 Crossroads ahead (Alternative types)		A distance	1	3	

# Parking Signs

## SCHEDULE 4

Regulation 3, Direction 3

Upright signs that control waiting, loading and parking along a road

### PART 1

Blank panel diagram



Blank  
diagram 1




Blank  
diagram 2

Overall dimensions will vary to  
accommodate elements of the sign

Sign table — Schedule 4, Part 3

(1) Item	(2) Description	(3) Symbol	(4) Legend	(5) Variant of legend	(6) Legend height (by reference to x-height)
1	Waiting prohibited for a time that is not continuous throughout the year	 30 min 80 max	A time period	The legend may include either or both of— (a) “No waiting”; and (b) “except” followed by one or more of “taxis”, “ambulances”, “police vehicles”, and where more than one exception is provided for “and” or “&” must precede the final exception	Not less than 15 mm and not more than 40 mm
2	Stopping prohibited	 30 min 80 max	1. “No stopping”; and 2. “except” followed by— (a) “buses”; (b) “local buses”; or (c) one or more of “taxis”, “ambulances”, “police vehicles”, and where more than one exception is provided for “and” or “&” must precede the final exception	1. The legend may include a time period 2. The legend may include “taxis” with a time period 3. The legend may include “BUS STAND” provided it is displayed above “No Stopping” and used in combination with “except buses” or “except local buses”	Not less than 15 mm and not more than 40 mm

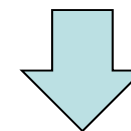
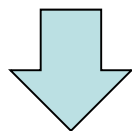
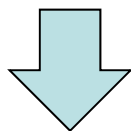
Sign table — Schedule 4, Part 4

(1) Item	(2) Description	(3) Symbol	(4) Required legends	(5) Variants to column 4 legends, or legends that may be included	(6) Legend height (by reference to x-height)	(7) Applicable Part 5 item
1	Loading prohibited		1. “No loading” 2. A time period		Not less than 15 mm and not more than 40 mm	
2	Parking place	 75 min 200 max		1. A time period may be included 2. A permitted parking expression may be included 3. A type or types of user may be included and, where the user is a type of permit holder, a permit identifier may be included 4. A legend provided for at 3 above may be varied by the addition of “only” or “only at all times” 5. The name of the traffic authority may be included 6. A parking place identifier or a zone identifier may be included	Not less than 15 mm and not more than 40 mm	1, 2, 3, 4, 5, 6, 7, 8

# TSRGD 2016 – what's *NOT* changed

- Existing signs can remain indefinitely
- Most existing prescribed signs & markings can still be used
- Existing authorisations remain valid
- The appearance of most signs remains unchanged
- Traffic Signs Manual (rather than the TSRGD) should be the “go to” documents and will become more important
- Traffic Signs Manuals to hopefully published this year 2018

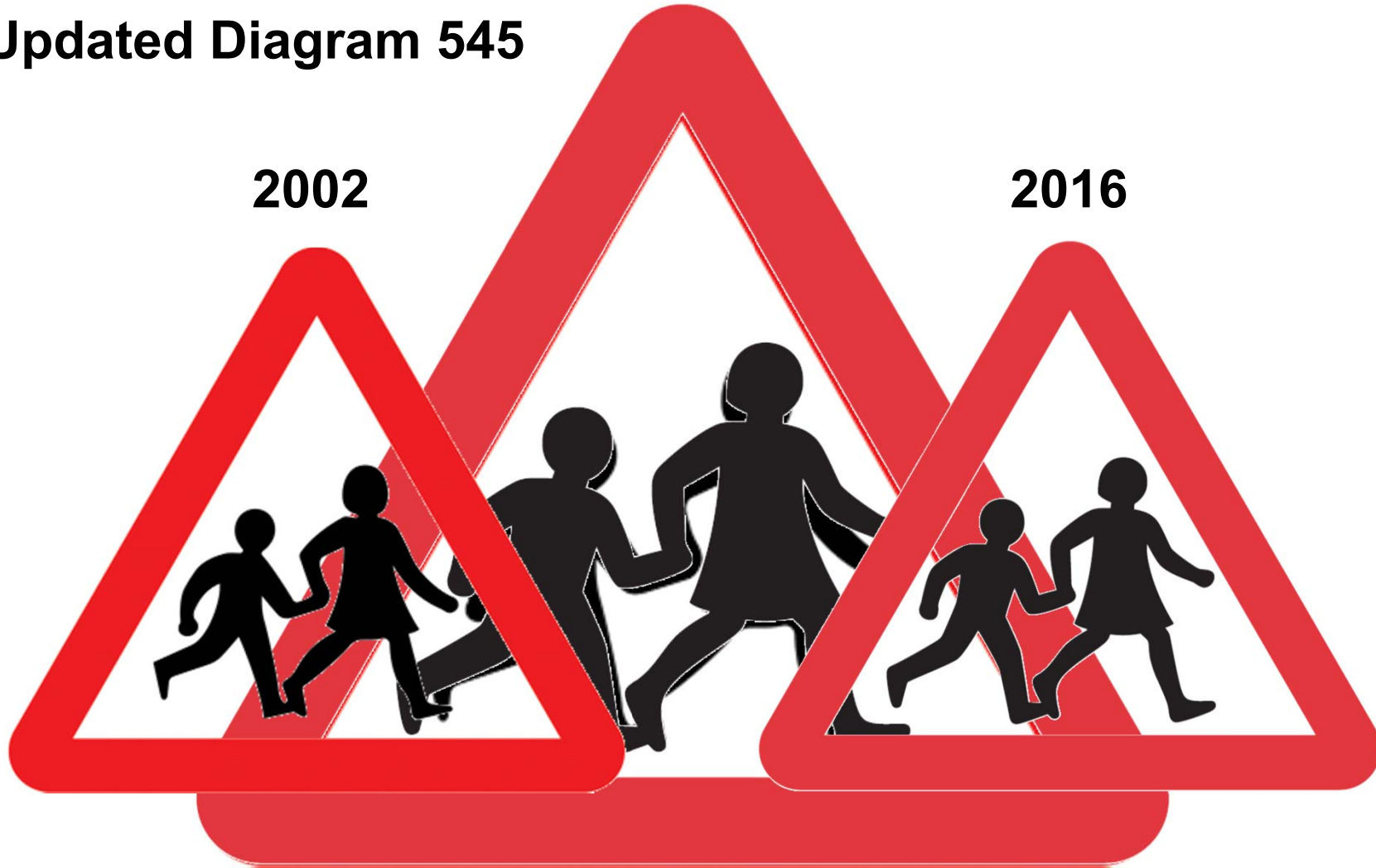
# Height/Width signs



# Updated Diagram 545

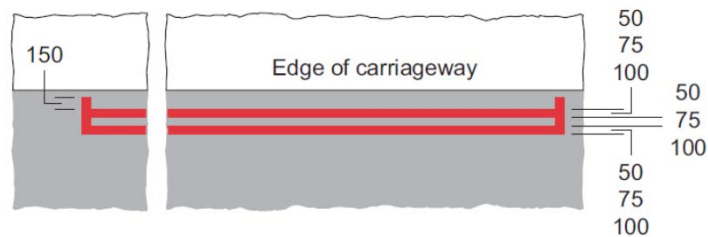
2002

2016



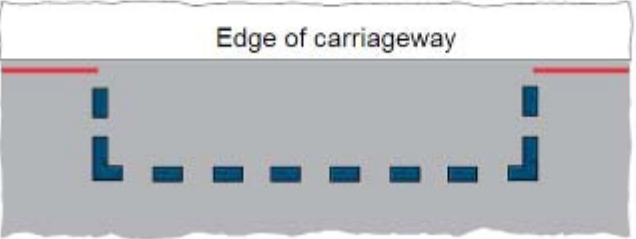
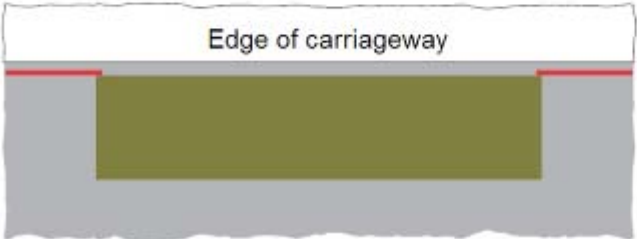
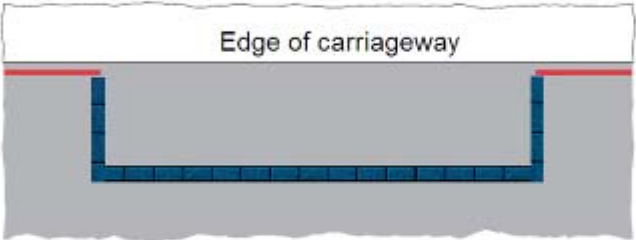
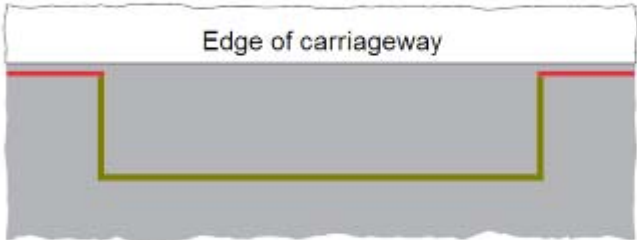
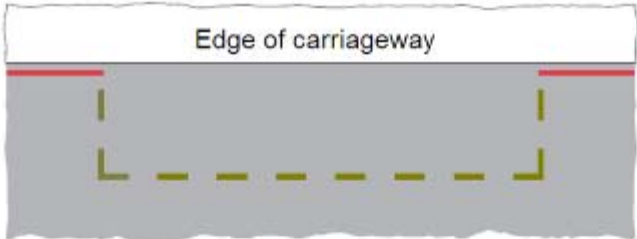
# TSRGD 2016 – “Innovations”

- Only legally need a single terminal sign (but authority must decide)
- Parking bays can be any size and almost any type of white dotted or solid line, or can be coloured surfacing or edged with distinctive (flush or raised) pavers
- No traffic order for school keep clears\* and Mandatory cycle lanes
  - Proposed Double and Single yellow lines without a TRO were dropped
- Reduced legal need for electrical illumination
- No DfT permission needed for ‘Stop’ signs, Red routes, Traffic Mirrors.





Bay markings delineated with surfacing or paving contrasting in colour or appearance with the surrounding carriageway.

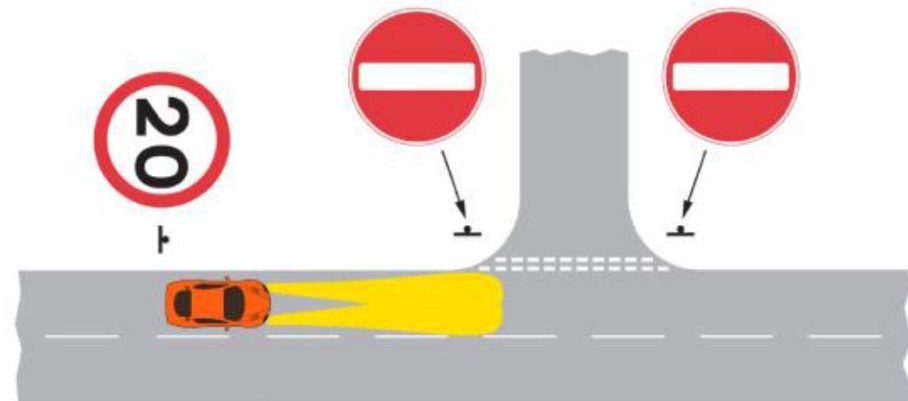
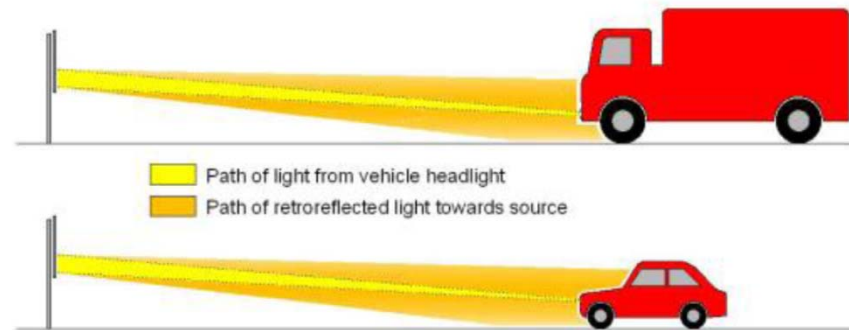




# Illumination requirements

From now, only the following **must** be directly illuminated during the hours of darkness (when conditions apply):

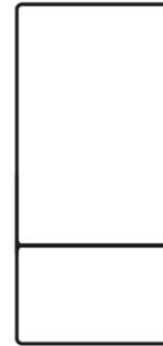
- warning and regulatory signs where headroom is restricted at low bridges or structures
- safety-critical signs (Give way)
- regulatory terminal signs including no entry, speed limit, vehicle restrictions (including for low and narrow bridges) and banned manoeuvres
- motorway entry, exit, gantry-mounted signs.
- Rules for 20mph roads also included



## PART 2


# Parking Zones

Entrance to a zone or area (other than a pedestrian, or a pedestrian and cycle, zone) where parking controls apply



Overall dimensions will vary to accommodate elements of the sign

Sign table — Schedule 5, Part 3

(1) Item	(2) Description	(3) Symbol	(4) Legend	(5) Height and location of legend	(6) Permitted variants	(7) Inclusion of a lower panel
2	Entrance to a restricted parking zone	450, 600 	“Restricted parking ZONE”	x-height: 1. 60 mm or 80 mm for “Restricted parking” 2. 75 mm or 100 mm for “ZONE” Location: Above the symbol	1. The name of the traffic authority may be added above any other legend 2. A zone identifier may be added—  (a) where the identifier is a name, at the top of the panel (but below the name of the traffic authority if used);  (b) where the identifier is a code, to the right of “ZONE” 3. The legend “No loading” may be added below the symbol if that legend is of the same size as “Restricted parking”	A lower panel may be included showing a legend specified in the Part 4 sign table at item 2

**Restricted  
parking  
ZONE**



**No loading**

**Except  
in signed bays**



**No motor  
vehicle  
parking  
on verge or  
footway**



**Permit holders  
parking only  
past this point  
Mon - Sat  
6 am - 7 pm**

**Except**   
**in signed bays**



**Goods vehicle  
loading only  
past this  
point**

# Schedule 18

## Permitted expressions of Time, Distance and Parking Restrictions

- “8 pm – 6 am next day”
- “At all times”
- “At other times”
- “All day”
- “and all day”
- “& all day”
- “At other times”
- “Additional times”
- “No limit”
- “Match”, “match”, “Event”, “event”, “Market”, “market”, “Day”, “day”, “On”, “on”, any of those expressions in the plural or the expression “Next” or that expression without a capital letter may be used with any of the expressions permitted by paragraph 1, 2, 3 or 4 as appropriate.
- “No return to” and the name of a zone or parking place, which may be, or include, a zone or parking place identifier, can be followed with “within 2 hours”
- “No return to this zone” can be followed with “within 2 hours”

# Allowing these:


**Mon - Sat**  
 **8 - 10 am**  
**4 - 6 pm**






**Mon - Sat**  
**10 am - 4 pm**  
**1 hour**  
**No return**  
**within 2 hours**  
**6 pm - 8 am**  
**and all day**  
**Sunday**  
**No limit**



**Sun - Thurs**  
**11 pm - 6 am**  
**next day**

 **Mon - Sat**  
**8 am - 6 pm**  
**30 mins**  
**No return to this**  
**zone within 1 hour**

 **Mon - Sat**  
**10 am - 4 pm**  
**20 mins**  
**No return**  
**within 40 mins**  
**or**  
**Permit holders **

**At other times**  
**and Sunday**  
**Permit**  
**holders only **

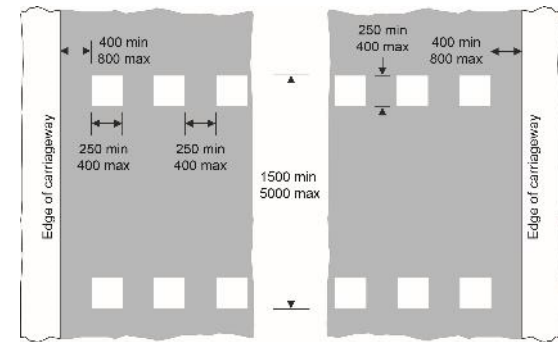
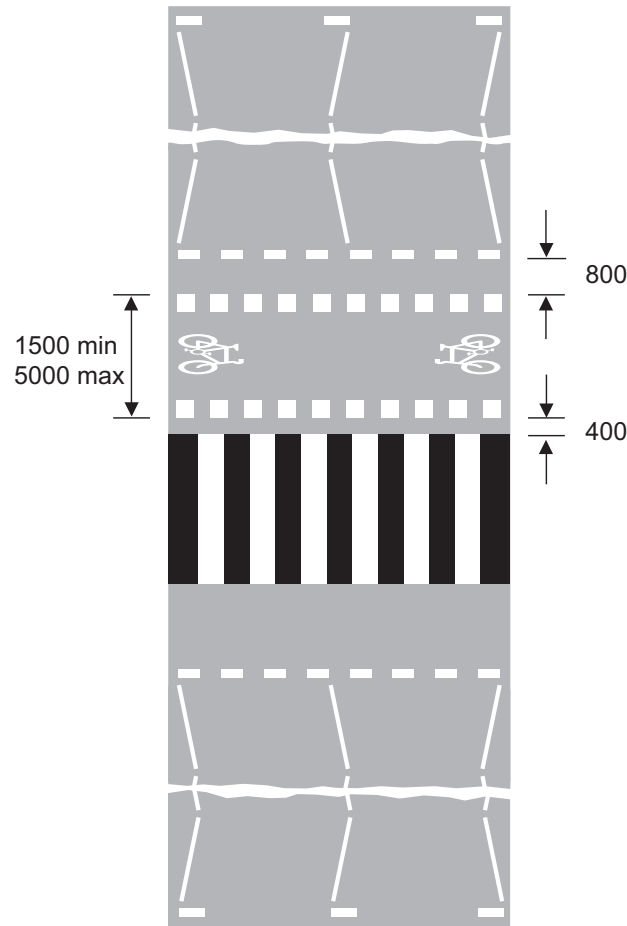
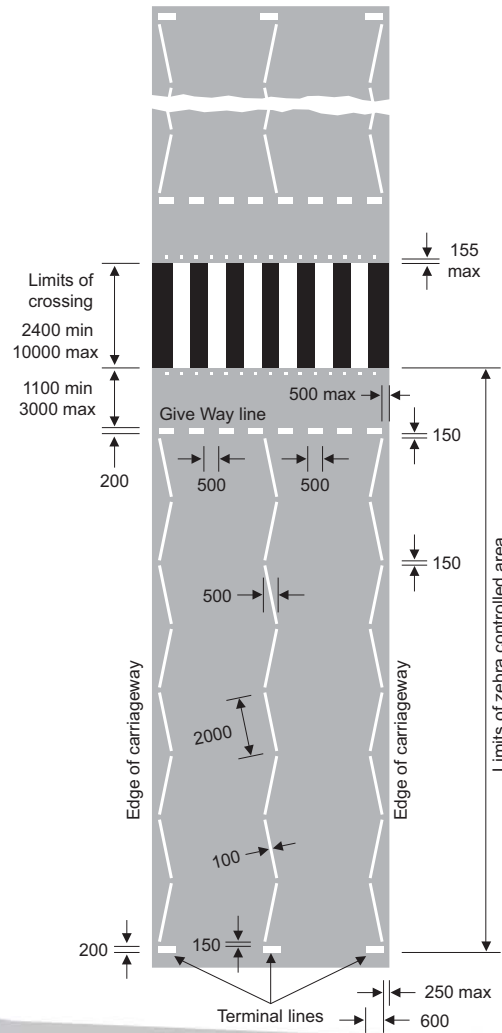
 **MATCH**  
**DAYS**  
**11 am - 6 pm**  
**Permit holders**  
**only**

# Link between signs and line removed





# Crossing points



# Sign Clutter

- Traffic Advisory Leaflet
- Local policy
- Common sense

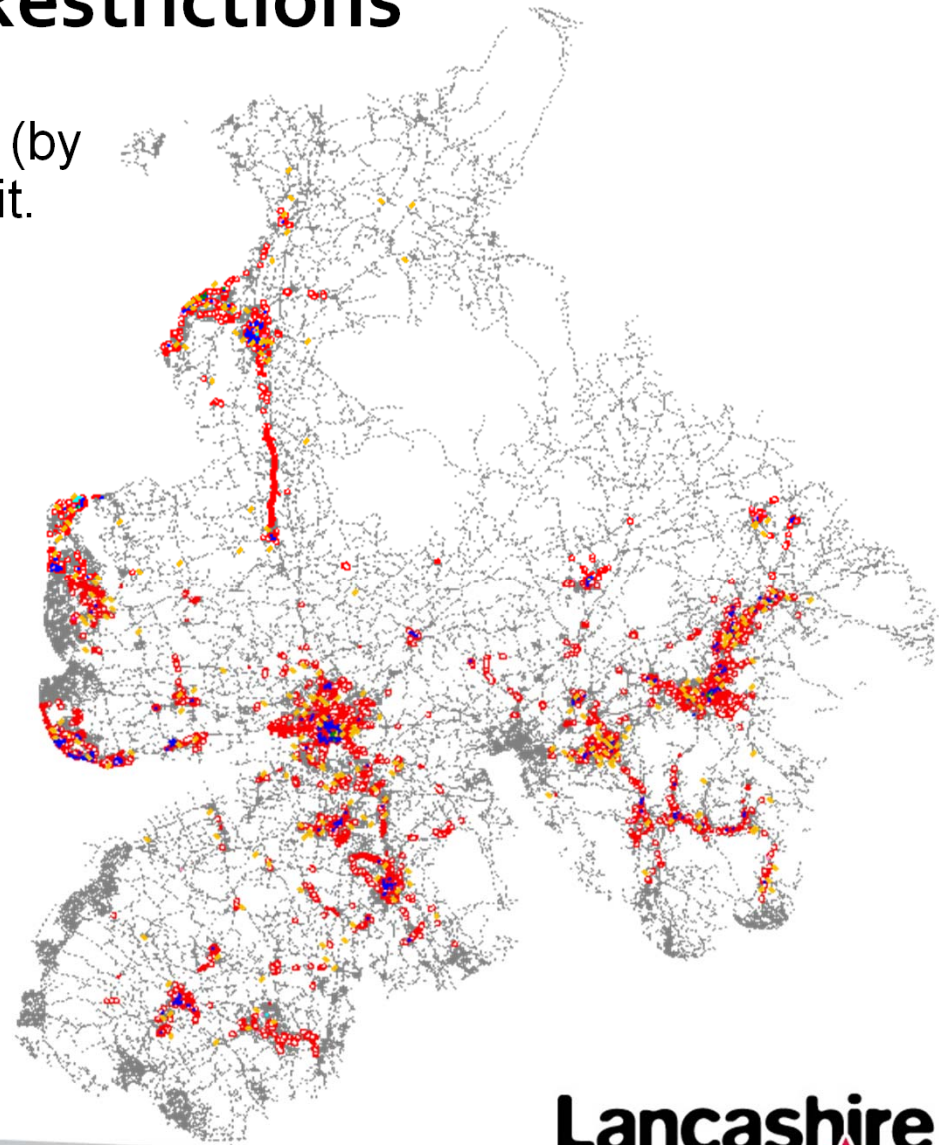




# Parking Restrictions

16% of the Lancashire's network (by length) has a TRO restriction on it.

Restriction type	Km
No Waiting AAT	713
No waiting	232
Limited Waiting	49
No loading AAT	47
No loading	32
Permit holders only	30
School zig zags	25
Disabled bays	7
Other bays	6.5



# Sign Clutter

Covers areas like:

- Backing boards
- Poles
- Illumination
- Is the warning sign needed
- ...



# Sign Clutter

A culture of **CHECK**, **CHALLENGE** and **CORRECT** should be adopted whenever considering signing on the highway network:

## **CHECK**

- Is the sign needed and is it the most appropriate option? or
- Have circumstances changed since it was introduced?

## **CHALLENGE**

- Can the sign be removed? or
- Does the proposed sign need to be introduced?

## **CORRECT**

- Remove the sign, or
- Re-evaluate the design, and always
- Consider the illumination requirements

# Importance of the 3 C's

Check ✓  
Challenge ✓  
Correct ✗





# Unnecessary pole?



# Signing mistakes





# Signing mistakes



# Replacement Programs

## Lancaster City centre sign replacement strategy

A review looked at over 74 locations, where key signs were currently located, in and around the city.

### Scheme outcome

- **25%** reduction in sign face area in total across all sites



# Replacement Programs

Site 65



Height 1900  
 Width 2800 (Duke sign alone 1650)  
 X height 70

Action – Replace with:



Height 1330  
 Width 1942  
 X height 80  
 Sign Area -52%

Site 28



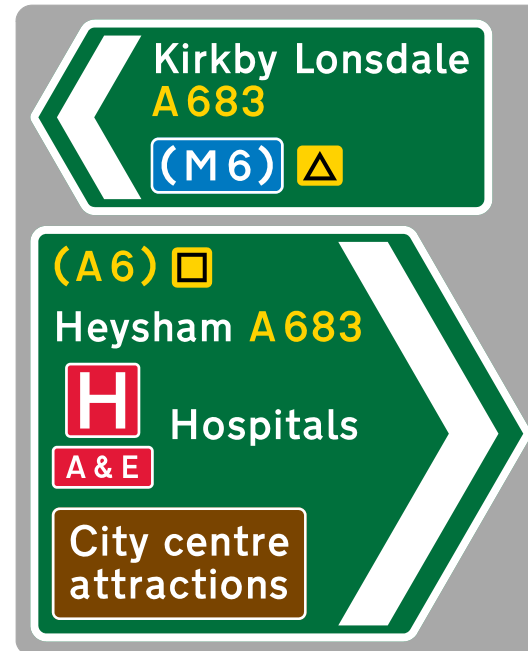
Height 2400 (Brown 1050)  
 Width 1900  
 X height Brown 65 Parking 110

Action – Replace with:



Height 1690  
 Width 1762  
 X height 80  
 Sign Area -35%

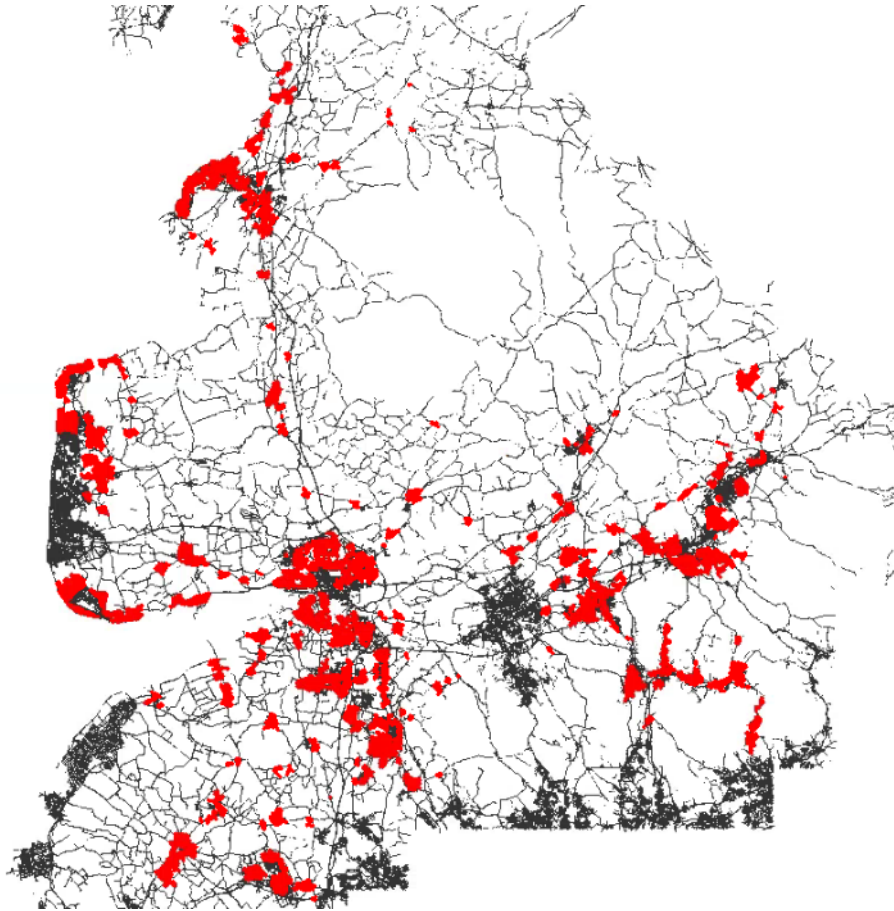
# Replacement Programs



# Replacement Programs



# Replacement Programs



20mph sign  
only limits in  
Lancashire

Put in before  
the  
TSRGD2016



# 20mph signing



## Thousands of 'unnecessary' road signs face being taken down around Britain after Government report concludes they are 'pointless'

- The Department for Transport review found the number of signs had doubled
- It said the overuse of pointless signs was 'verging on national humiliation'
- The report recommended that entire categories of signs should be scrapped

By [DAILY MAIL REPORTER](#)

PUBLISHED: 01:42, 3 March 2018 | UPDATED: 01:48, 3 March 2018



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547  
View comments

Thousands of unnecessary road signs could be taken down around Britain after a government report concluded that most warnings were completely pointless.

The Department for Transport (DfT) review found the number of signs had doubled in 20 years to 4.3million, cluttering up streets and confusing motorists with outdated messages.

The report said the overuse of pointless signs has 'become so widespread that it is verging on national humiliation,' the Times reported.

It recommended that entire categories of signs should be scrapped, with a suggestion that nine in ten should be taken down.

Petition

# Update the UK Traffic Signs Regulations to a geometrically correct football

The football shown on UK street signs (for football grounds) is made entirely of hexagons. But it is mathematically impossible to construct a ball using only hexagons. Changing this to the correct pattern of hexagons and pentagons would help raise public awareness and appreciation of geometry.

[More details](#)

[Sign this petition](#)

**22,258** signatures

[Show on a map](#)

100,000

 **Government responded**

“ The Government considers the current football symbol has a clear meaning and is understood by the public. Changing the design to show accurate geometry is not appropriate in this context.

[Read the response in full](#)



