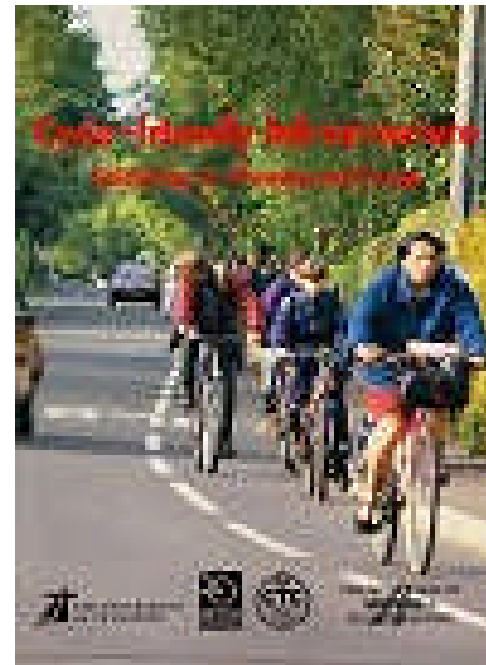


# Cycle Friendly Hierarchy of Measures



# Cycle Friendly Infrastructure Hierarchy of measures

1. Traffic reduction
2. Speed reduction
3. Junction treatment & traffic management
4. Redistribution of the carriageway
5. Off-road provision
6. Cycle signing
7. Cycle parking



# 1. Traffic reduction – congestion charging



- Central London – £5 charge cycle flows up 30%
- Durham peninsula- £2 charge 85% fall in traffic
- Dalby Forest, N York's Moors - £7



# 1. Traffic Reduction – Pedestrian Zones



# 1. Traffic reduction – road closures





# 1. Traffic Reduction - Road Closures – Terry Ave



## 2. Speed reduction – traffic calming





## 2. Speed reduction – traffic calming





## 2. Speed reduction effects – York safe routes to schools pilots

“You know these bumps don’t half make you feel safer going school ...the traffic is so much slower”

- Traffic speeds down 10mph
- Accidents down 50%
- Cycling increased by 25 – 50%%

Source: “Traffic Calming Market Research” York City Council 1994

## 2. Speed reduction - cameras





### 3. Junction Treatments – Roundabouts



### 3. Junction Treatments – Mini-roundabouts





### 3. Junction Treatments – Roundabouts



### 3. Junction Treatments

## Traffic signals – Advanced Stop Lines



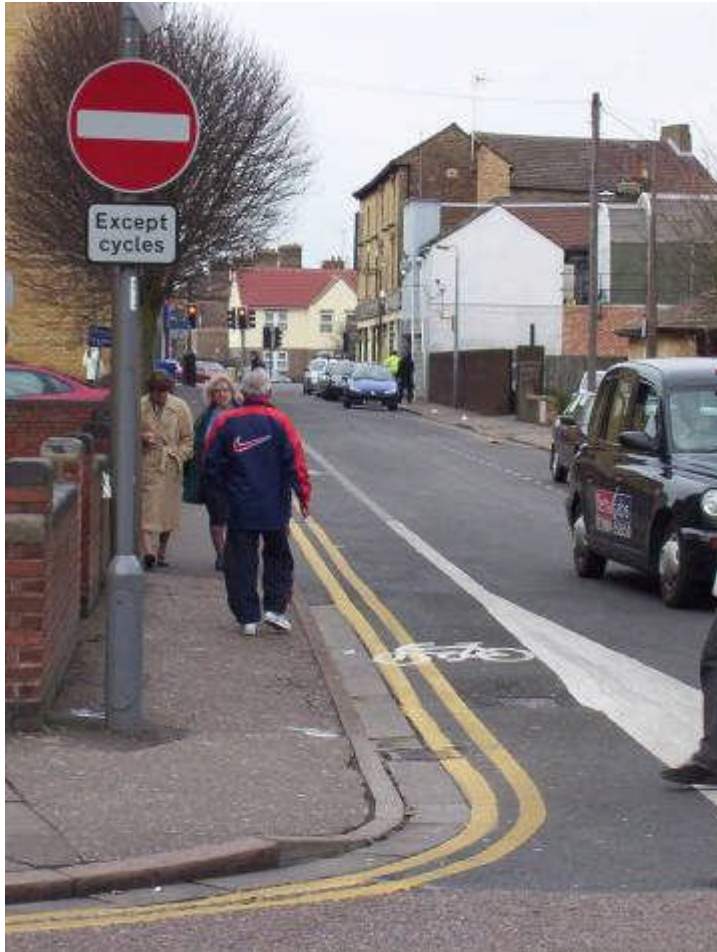


### 3. Junction Treatments

#### Traffic signals – cycle slip lanes



# 3. Traffic management – contra flow cycling

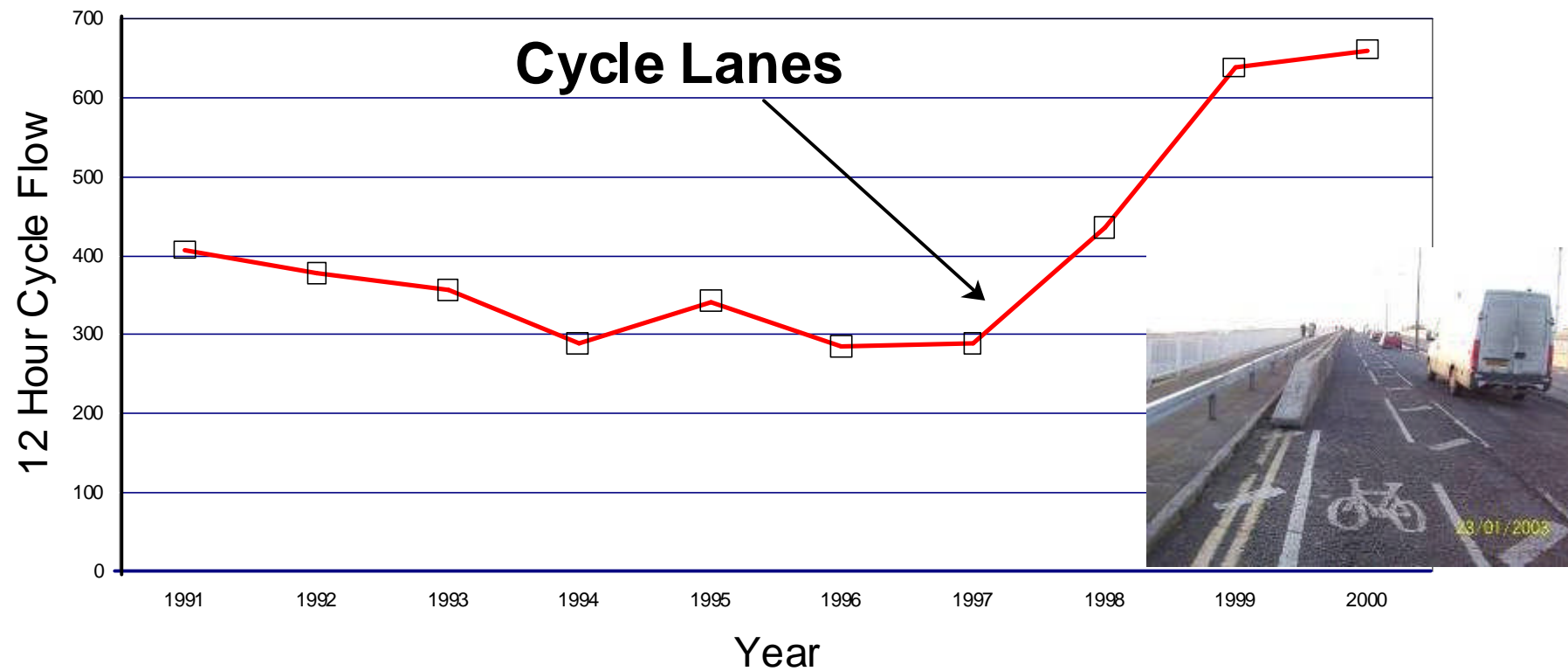




## 4. Redistribution of the carriageway – cycle lanes



# Cycle Flows - Hesse Road





## 4. Redistribution

- hatching V cycle lanes no centre lines



## 4. Redistribution of the carriageway – segregated lanes





# 5. Off – road – by the road



## 5. Off road side road crossings - priorities





## 5. Off –road



# 5. Off –road by the sea





# Crossings – Traffic Islands

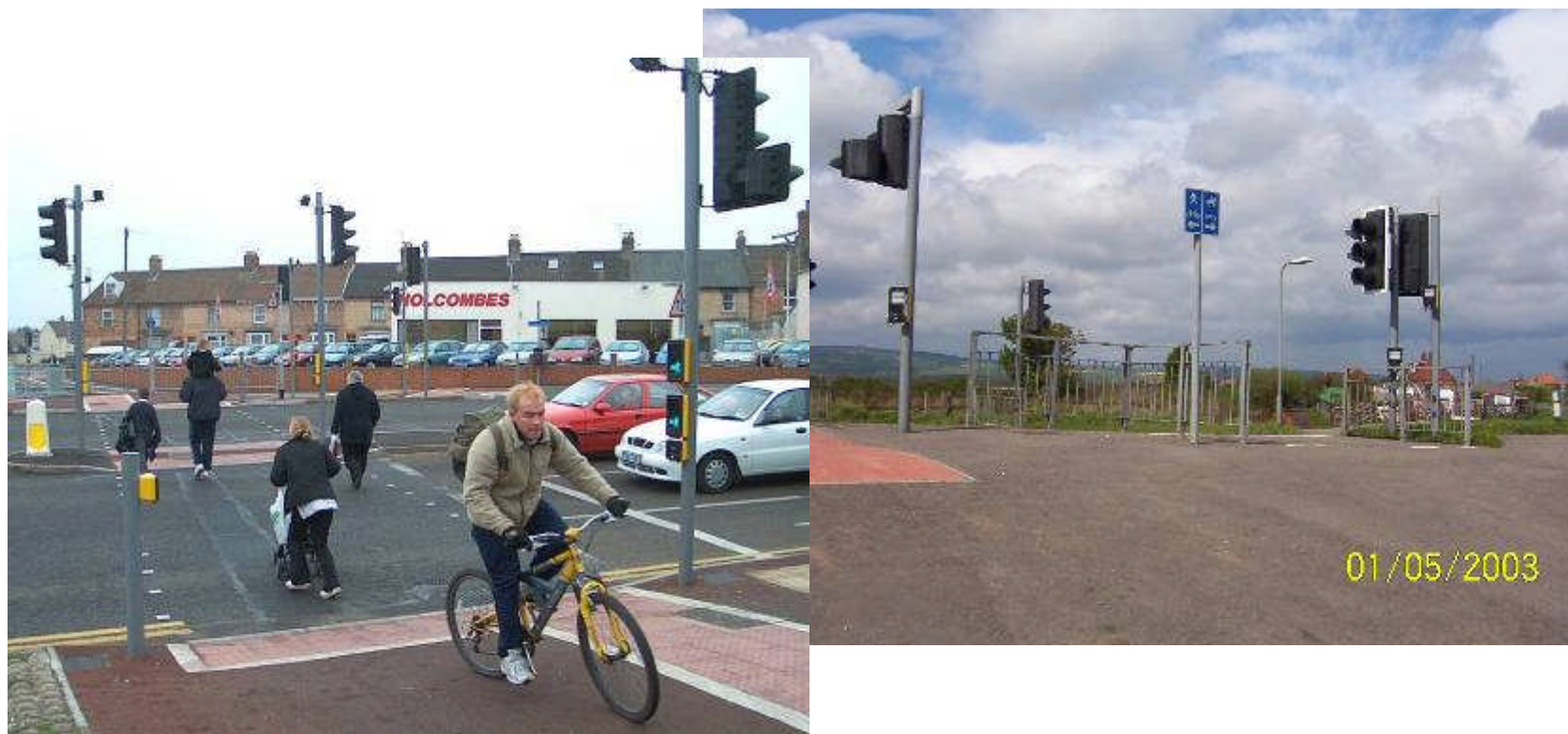


# Controlled Crossings – Zebra crossings





# Controlled Crossings – Toucans/Pegasus



## 6. Signing – times or distances?





# 7. Cycle parking – location



# Summing Up

## Hierarchy of measures

1. Traffic reduction
2. Speed reduction
3. Junction treatment & traffic management
4. Redistribution of the carriageway
5. Off-road provision

## Increased cycling

- London + 30% C zone
- York + 50% school pilots
  
- Hull + 100% on lanes



# Contacts



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Photo gallery Engineering and Planning page:

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